

Regression test

Test run started 2025-08-27T01:33:00Z
Ashes version: 3.32.0

Pendulum			
Load case set 1			
Load case	Time series	Error score	
Free motion damped 90 deg	Position (x)	0.000000	PASS
	Position (y)	0.000000	PASS
	Position (z)	0.000000	PASS
	Displacement (u)	0.000000	PASS
	Displacement (v)	0.000000	PASS
	Displacement (w)	0.000000	PASS
	Displacement magnitude	0.000000	PASS
	Speed	0.000000	PASS
	Acceleration, magnitude	0.000000	PASS
	Rotational displacement (ru)	0.000000	PASS
	Rotational displacement (rv)	0.000000	PASS
	Rotational displacement (rw)	0.000000	PASS
	Rotational displacement magnitude	0.000000	PASS
	Rotational speed	0.000000	PASS
	Rotational acceleration mag	0.000000	PASS
	Displacement period	0.000000	PASS
	Displacement logarithmic decrement	0.000000	PASS
	Displacement damping ratio	0.000000	PASS
	Reaction force (x)	0.000000	PASS
	Reaction force (y)	0.000000	PASS
	Reaction force (z)	0.000000	PASS
	Reaction force (mag.)	0.000000	PASS
	Axial force	0.000000	PASS
	Shear force (1st prin. axis)	0.000000	PASS
	Shear force (2nd prin. axis)	0.000000	PASS
	Shear force, mag.	0.000000	PASS
	Torque	0.000000	PASS
	Moment (1st prin. axis), i	0.000000	PASS
	Moment (2nd prin. axis), i	0.000000	PASS
	Moment, mag., i	0.000000	PASS
	Moment (1st prin. axis), j	0.000000	PASS
	Moment (2nd prin. axis), j	0.000000	PASS
	Moment, mag., j	0.000000	PASS

	Max normal stress	0.000000	PASS
	Twist (structural)	0.000000	PASS
	Twist (structural) - rad	0.000000	PASS
	Deformed length	0.000000	PASS
	Elongation	0.000000	PASS
	Strain energy	0.000000	PASS
	Kinetic energy	0.000000	PASS
	Mechanical energy	0.000000	PASS
	Deformational rotation (i)	0.000000	PASS
	Deformational rotation (j)	0.000000	PASS
	Deformational rotation (axial)	0.000000	PASS
	Deformational rotation (1st prin.)	0.000000	PASS
	Deformational rotation (2nd prin.)	0.000000	PASS
	Deformational rotation (i) - rad	0.000000	PASS
	Deformational rotation (j) - rad	0.000000	PASS
	Deformational rotation (axial) - rad	0.000000	PASS
	Deformational rotation (1st prin.) - rad	0.000000	PASS
	Deformational rotation (2nd prin.) - rad	0.000000	PASS
	Damping force, i	0.000000	PASS
	Damping moment, i	0.000000	PASS
	Damping force, sum	0.000000	PASS
	Damping moment, sum	0.000000	PASS
Free motion damped 60 deg	Position (x)	0.000000	PASS
	Position (y)	0.000000	PASS
	Position (z)	0.000000	PASS
	Displacement (u)	0.000000	PASS
	Displacement (v)	0.000000	PASS
	Displacement (w)	0.000000	PASS
	Displacement magnitude	0.000000	PASS
	Speed	0.000000	PASS
	Acceleration, magnitude	0.000000	PASS
	Rotational displacement (ru)	0.000000	PASS
	Rotational displacement (rv)	0.000000	PASS
	Rotational displacement (rw)	0.000000	PASS
	Rotational displacement magnitude	0.000000	PASS
	Rotational speed	0.000000	PASS
	Rotational acceleration mag	0.000000	PASS
	Displacement period	0.000000	PASS
	Displacement logarithmic decrement	0.000000	PASS
	Displacement damping ratio	0.000000	PASS
	Reaction force (x)	0.000000	PASS
	Reaction force (y)	0.000000	PASS

	Reaction force (z)	0.000000	PASS
	Reaction force (mag.)	0.000000	PASS
	Axial force	0.000000	PASS
	Shear force (1st prin. axis)	0.000000	PASS
	Shear force (2nd prin. axis)	0.000000	PASS
	Shear force, mag.	0.000000	PASS
	Torque	0.000000	PASS
	Moment (1st prin. axis), i	0.000000	PASS
	Moment (2nd prin. axis), i	0.000000	PASS
	Moment, mag., i	0.000000	PASS
	Moment (1st prin. axis), j	0.000000	PASS
	Moment (2nd prin. axis), j	0.000000	PASS
	Moment, mag., j	0.000000	PASS
	Max normal stress	0.000000	PASS
	Twist (structural)	0.000000	PASS
	Twist (structural) - rad	0.000000	PASS
	Deformed length	0.000000	PASS
	Elongation	0.000000	PASS
	Strain energy	0.000000	PASS
	Kinetic energy	0.000000	PASS
	Mechanical energy	0.000000	PASS
	Deformational rotation (i)	0.000000	PASS
	Deformational rotation (j)	0.000000	PASS
	Deformational rotation (axial)	0.000000	PASS
	Deformational rotation (1st prin.)	0.000000	PASS
	Deformational rotation (2nd prin.)	0.000000	PASS
	Deformational rotation (i) - rad	0.000000	PASS
	Deformational rotation (j) - rad	0.000000	PASS
	Deformational rotation (axial) - rad	0.000000	PASS
	Deformational rotation (1st prin.) - rad	0.000000	PASS
	Deformational rotation (2nd prin.) - rad	0.000000	PASS
	Damping force, i	0.000000	PASS
	Damping moment, i	0.000000	PASS
	Damping force, sum	0.000000	PASS
	Damping moment, sum	0.000000	PASS
Free motion damped 30 deg	Position (x)	0.000000	PASS
	Position (y)	0.000000	PASS
	Position (z)	0.000000	PASS
	Displacement (u)	0.000000	PASS
	Displacement (v)	0.000000	PASS
	Displacement (w)	0.000000	PASS
	Displacement magnitude	0.000000	PASS

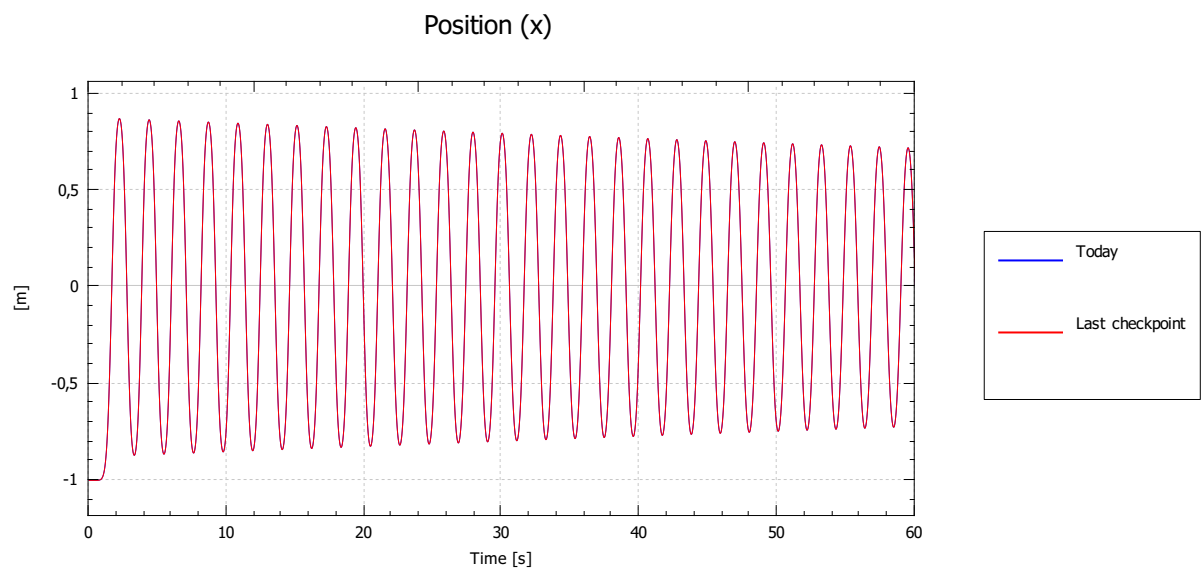
	Speed	0.000000	PASS
	Acceleration, magnitude	0.000000	PASS
	Rotational displacement (ru)	0.000000	PASS
	Rotational displacement (rv)	0.000000	PASS
	Rotational displacement (rw)	0.000000	PASS
	Rotational displacement magnitude	0.000000	PASS
	Rotational speed	0.000000	PASS
	Rotational acceleration mag	0.000000	PASS
	Displacement period	0.000000	PASS
	Displacement logarithmic decrement	0.000000	PASS
	Displacement damping ratio	0.000000	PASS
	Reaction force (x)	0.000000	PASS
	Reaction force (y)	0.000000	PASS
	Reaction force (z)	0.000000	PASS
	Reaction force (mag.)	0.000000	PASS
	Axial force	0.000000	PASS
	Shear force (1st prin. axis)	0.000000	PASS
	Shear force (2nd prin. axis)	0.000000	PASS
	Shear force, mag.	0.000000	PASS
	Torque	0.000000	PASS
	Moment (1st prin. axis), i	0.000000	PASS
	Moment (2nd prin. axis), i	0.000000	PASS
	Moment, mag., i	0.000000	PASS
	Moment (1st prin. axis), j	0.000000	PASS
	Moment (2nd prin. axis), j	0.000000	PASS
	Moment, mag., j	0.000000	PASS
	Max normal stress	0.000000	PASS
	Twist (structural)	0.000000	PASS
	Twist (structural) - rad	0.000000	PASS
	Deformed length	0.000000	PASS
	Elongation	0.000000	PASS
	Strain energy	0.000000	PASS
	Kinetic energy	0.000000	PASS
	Mechanical energy	0.000000	PASS
	Deformational rotation (i)	0.000000	PASS
	Deformational rotation (j)	0.000000	PASS
	Deformational rotation (axial)	0.000000	PASS
	Deformational rotation (1st prin.)	0.000000	PASS
	Deformational rotation (2nd prin.)	0.000000	PASS
	Deformational rotation (i) - rad	0.000000	PASS
	Deformational rotation (j) - rad	0.000000	PASS
	Deformational rotation (axial) - rad	0.000000	PASS

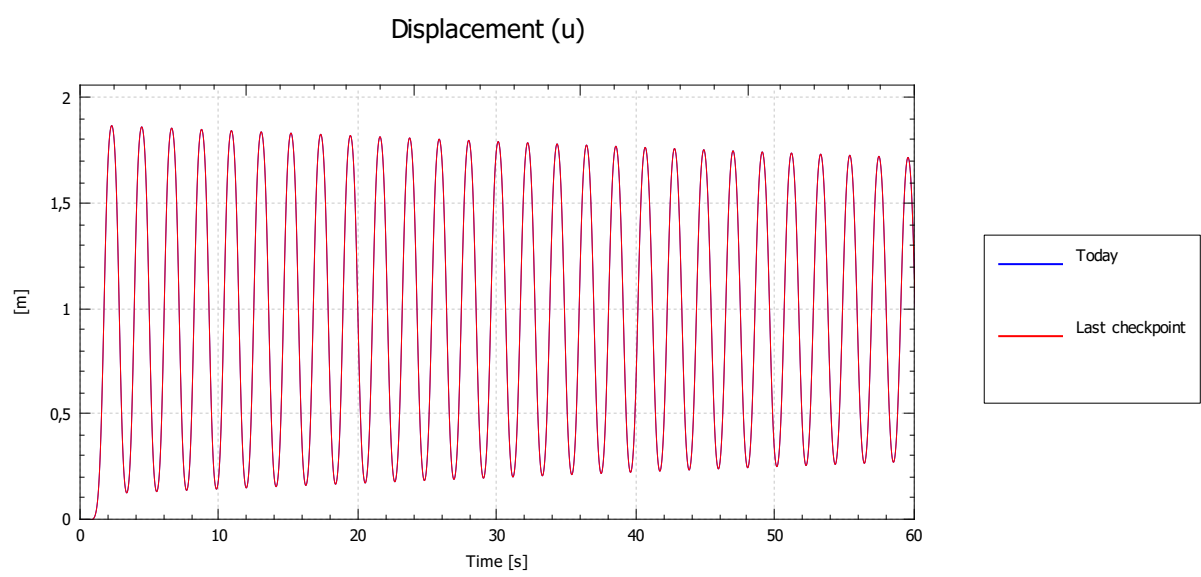
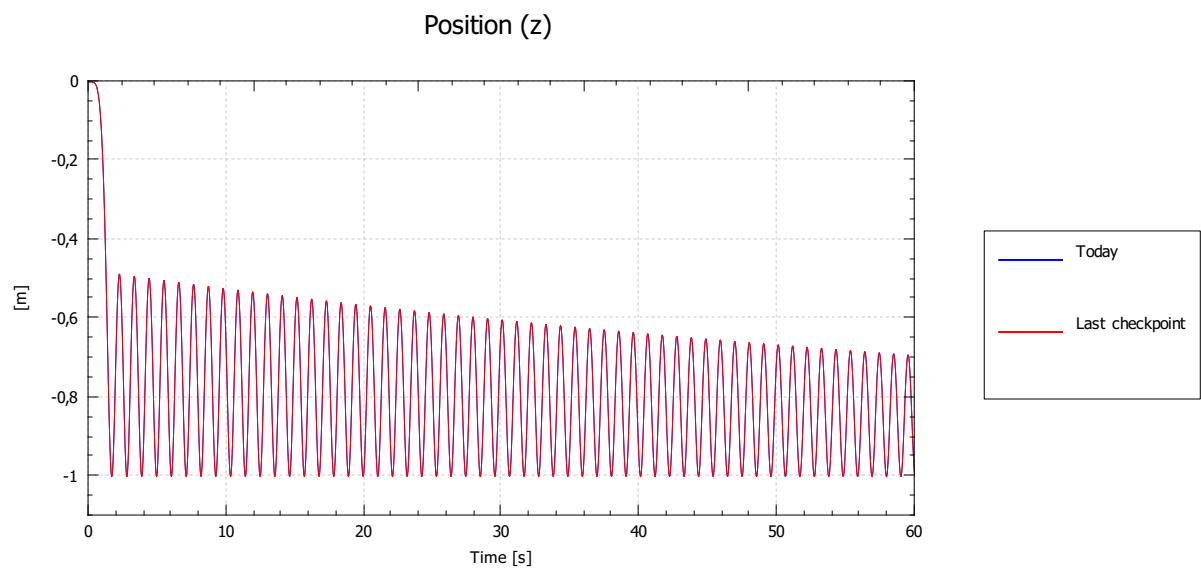
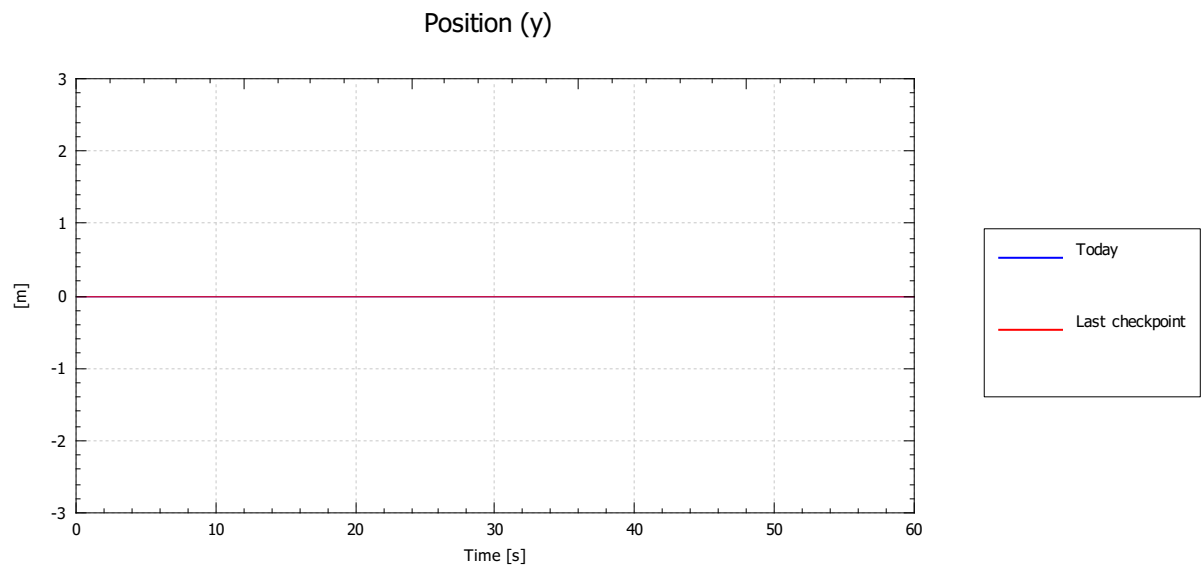
	Deformational rotation (1st prin.) - rad	0.000000	PASS
	Deformational rotation (2nd prin.) - rad	0.000000	PASS
	Damping force, i	0.000000	PASS
	Damping moment, i	0.000000	PASS
	Damping force, sum	0.000000	PASS
	Damping moment, sum	0.000000	PASS
Free motion damped 0 deg	Position (x)	0.000000	PASS
	Position (y)	0.000000	PASS
	Position (z)	0.000000	PASS
	Displacement (u)	0.000000	PASS
	Displacement (v)	0.000000	PASS
	Displacement (w)	0.000000	PASS
	Displacement magnitude	0.000000	PASS
	Speed	0.000000	PASS
	Acceleration, magnitude	0.000000	PASS
	Rotational displacement (ru)	0.000000	PASS
	Rotational displacement (rv)	0.000000	PASS
	Rotational displacement (rw)	0.000000	PASS
	Rotational displacement magnitude	0.000000	PASS
	Rotational speed	0.000000	PASS
	Rotational acceleration mag	0.000000	PASS
	Displacement period	0.000000	PASS
	Displacement logarithmic decrement	0.000000	PASS
	Displacement damping ratio	0.000000	PASS
	Reaction force (x)	0.000000	PASS
	Reaction force (y)	0.000000	PASS
	Reaction force (z)	0.000000	PASS
	Reaction force (mag.)	0.000000	PASS
	Axial force	0.000000	PASS
	Shear force (1st prin. axis)	0.000000	PASS
	Shear force (2nd prin. axis)	0.000000	PASS
	Shear force, mag.	0.000000	PASS
	Torque	0.000000	PASS
	Moment (1st prin. axis), i	0.000000	PASS
	Moment (2nd prin. axis), i	0.000000	PASS
	Moment, mag., i	0.000000	PASS
	Moment (1st prin. axis), j	0.000000	PASS
	Moment (2nd prin. axis), j	0.000000	PASS
	Moment, mag., j	0.000000	PASS
	Max normal stress	0.000000	PASS
	Twist (structural)	0.000000	PASS
	Twist (structural) - rad	0.000000	PASS

	Deformed length	0.000000	PASS
	Elongation	0.000000	PASS
	Strain energy	0.000000	PASS
	Kinetic energy	0.000000	PASS
	Mechanical energy	0.000000	PASS
	Deformational rotation (i)	0.000000	PASS
	Deformational rotation (j)	0.000000	PASS
	Deformational rotation (axial)	0.000000	PASS
	Deformational rotation (1st prin.)	0.000000	PASS
	Deformational rotation (2nd prin.)	0.000000	PASS
	Deformational rotation (i) - rad	0.000000	PASS
	Deformational rotation (j) - rad	0.000000	PASS
	Deformational rotation (axial) - rad	0.000000	PASS
	Deformational rotation (1st prin.) - rad	0.000000	PASS
	Deformational rotation (2nd prin.) - rad	0.000000	PASS
	Damping force, i	0.000000	PASS
	Damping moment, i	0.000000	PASS
	Damping force, sum	0.000000	PASS
	Damping moment, sum	0.000000	PASS

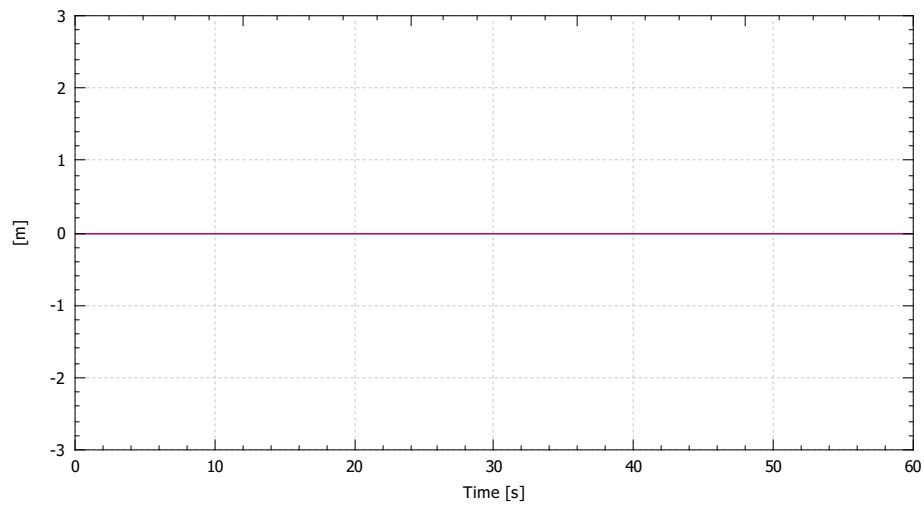
Load case: Free motion damped 90 deg

Node [Node 2 | Pendulum]

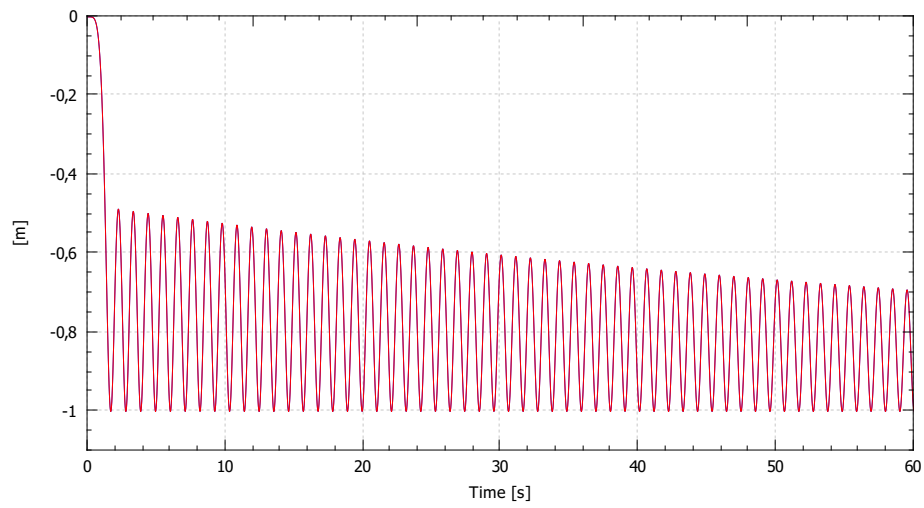




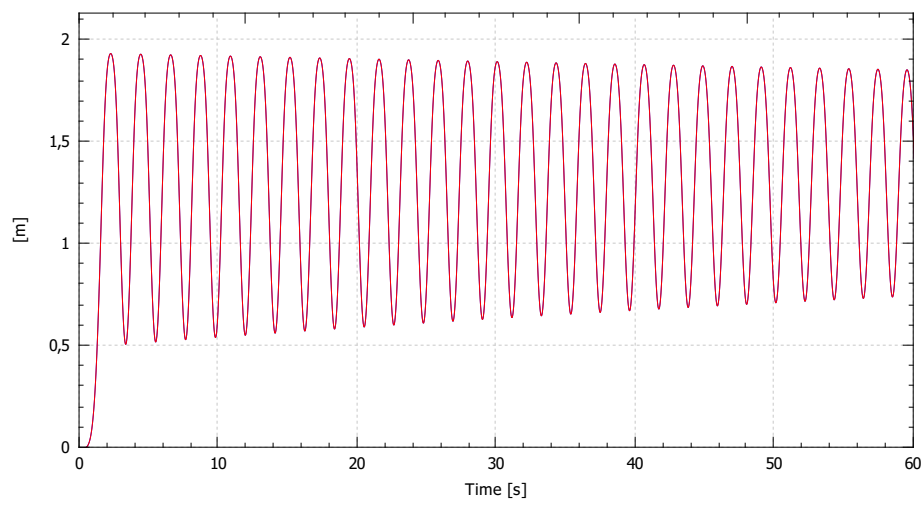
Displacement (v)

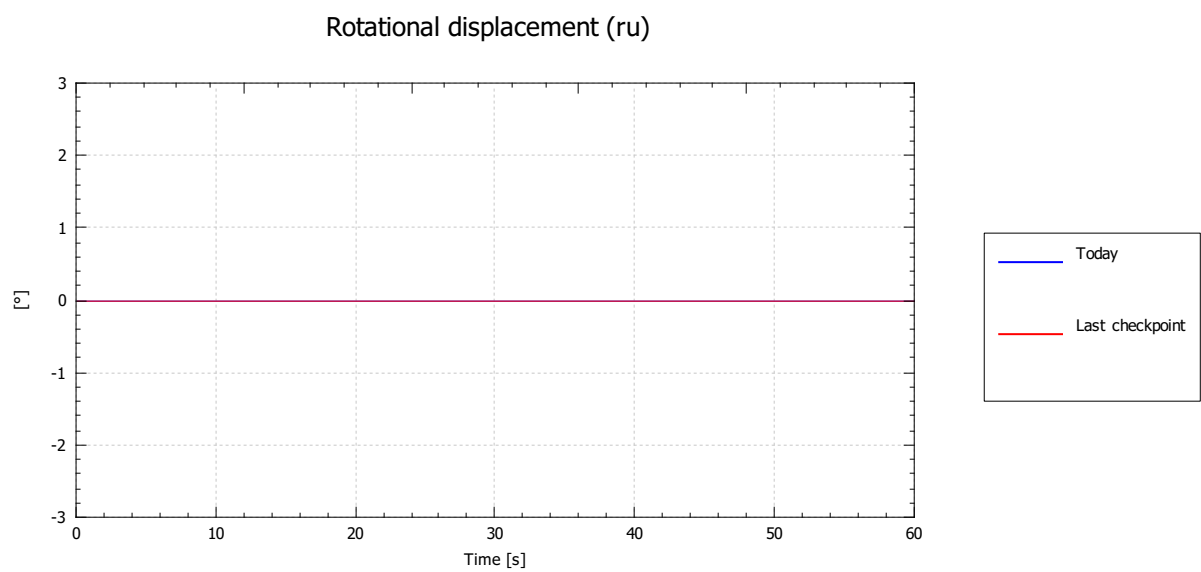
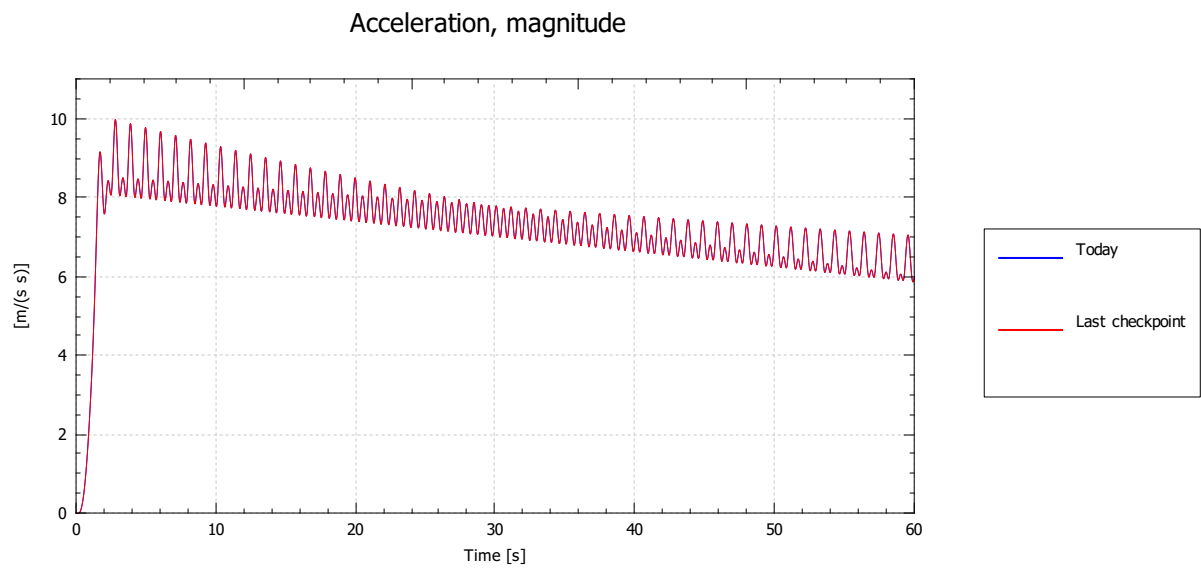
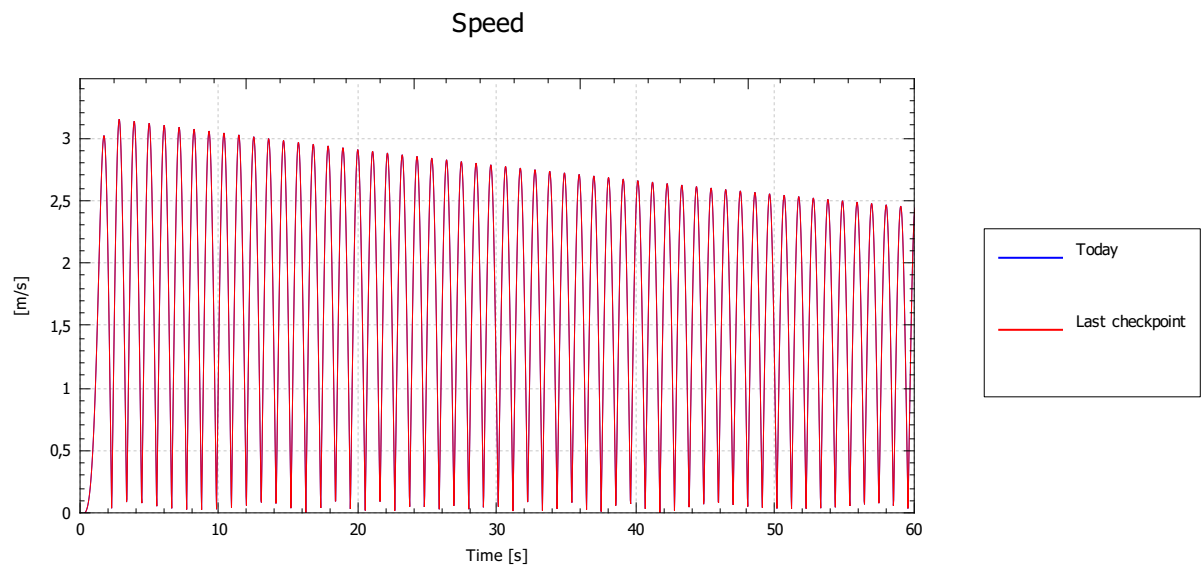


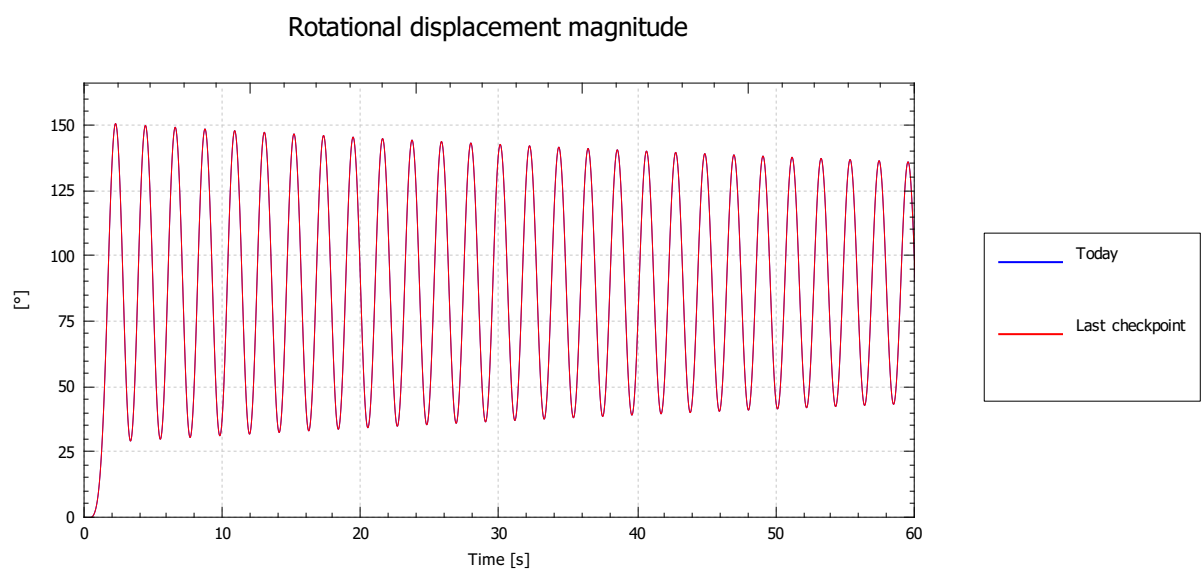
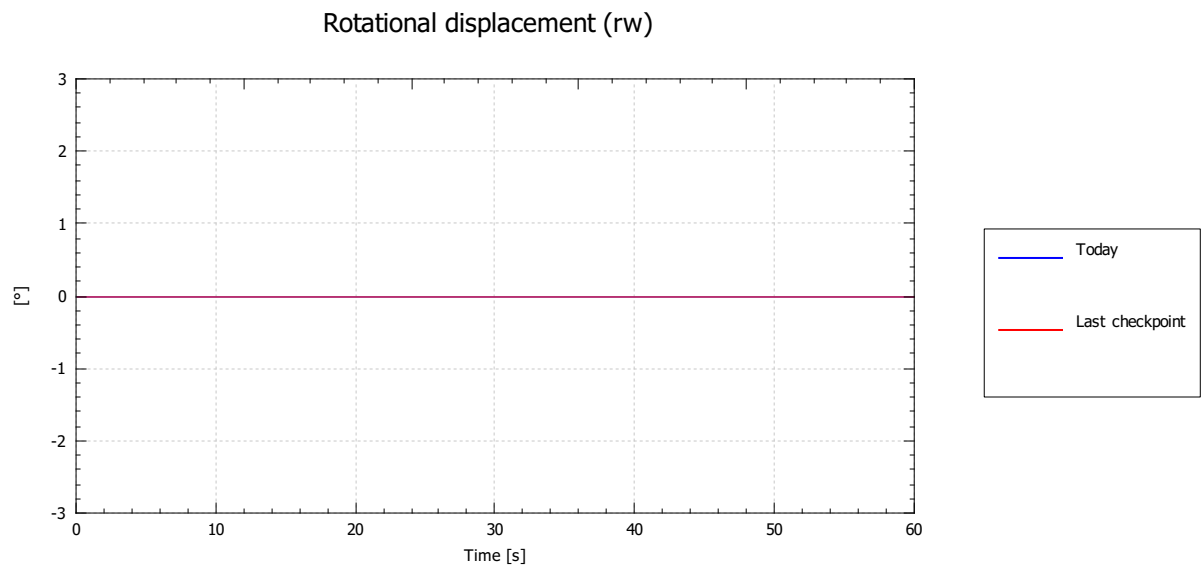
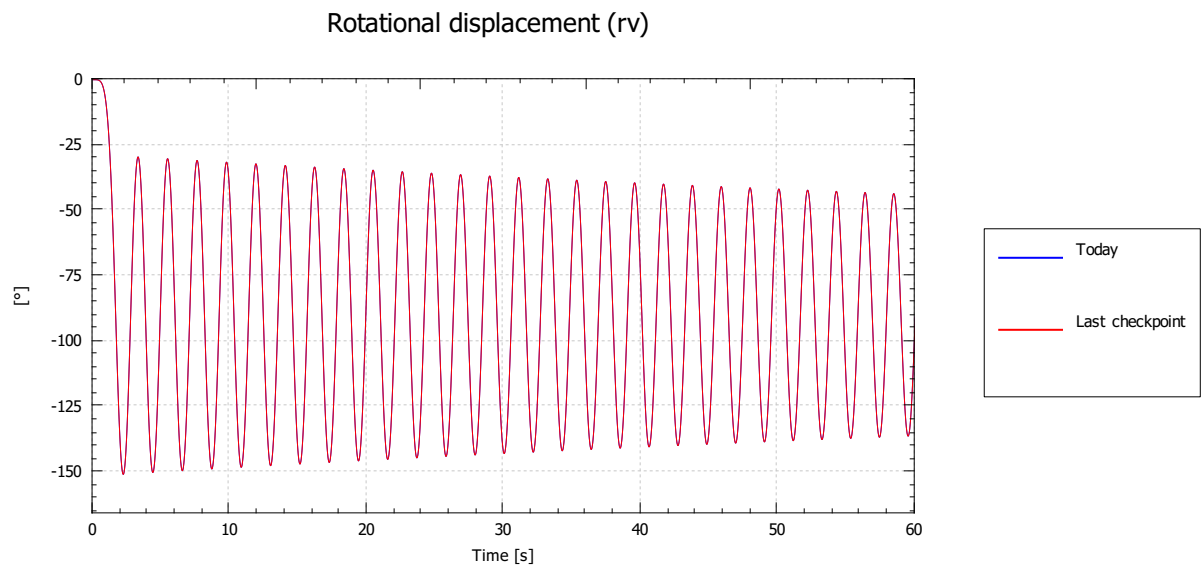
Displacement (w)



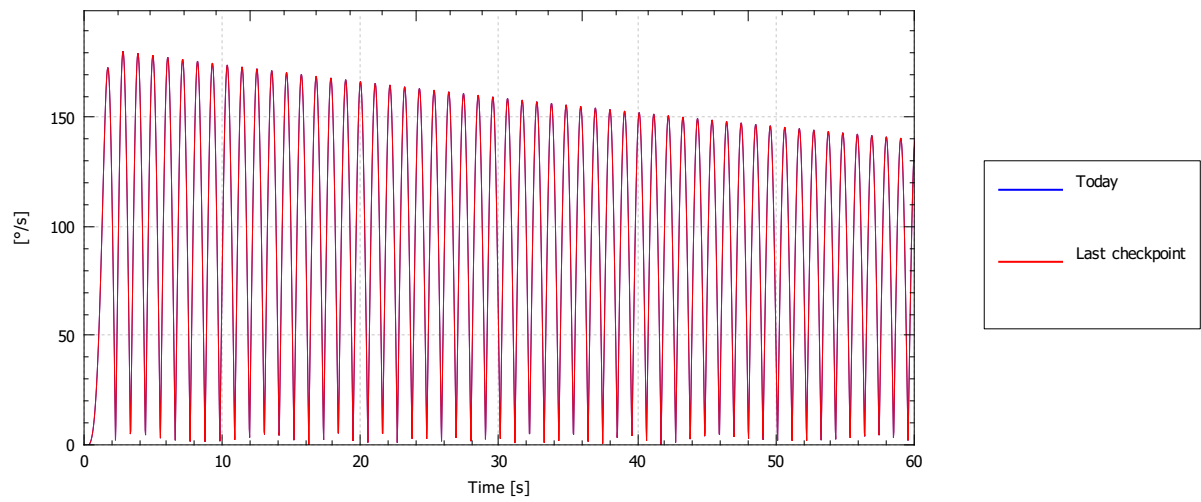
Displacement magnitude



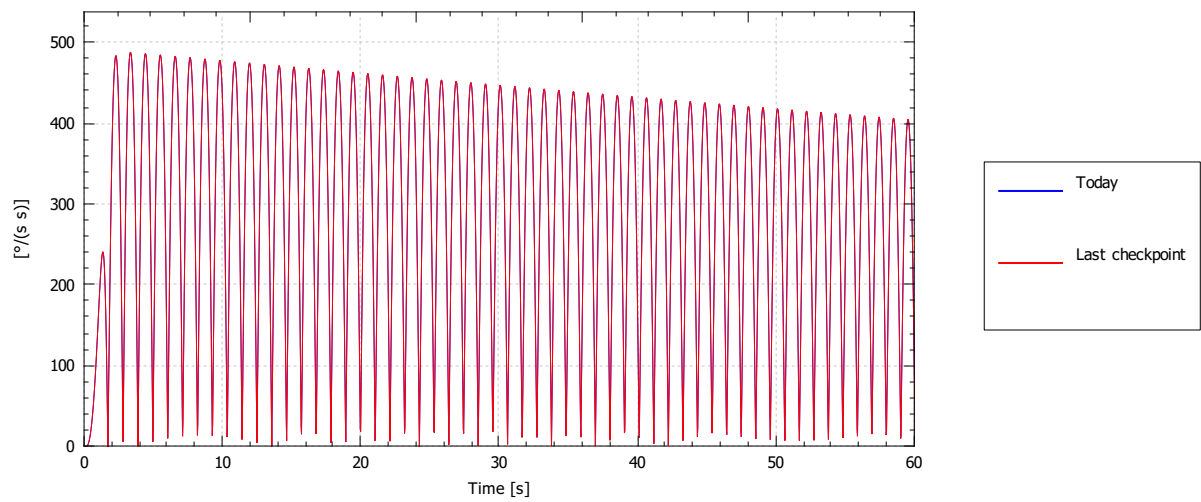




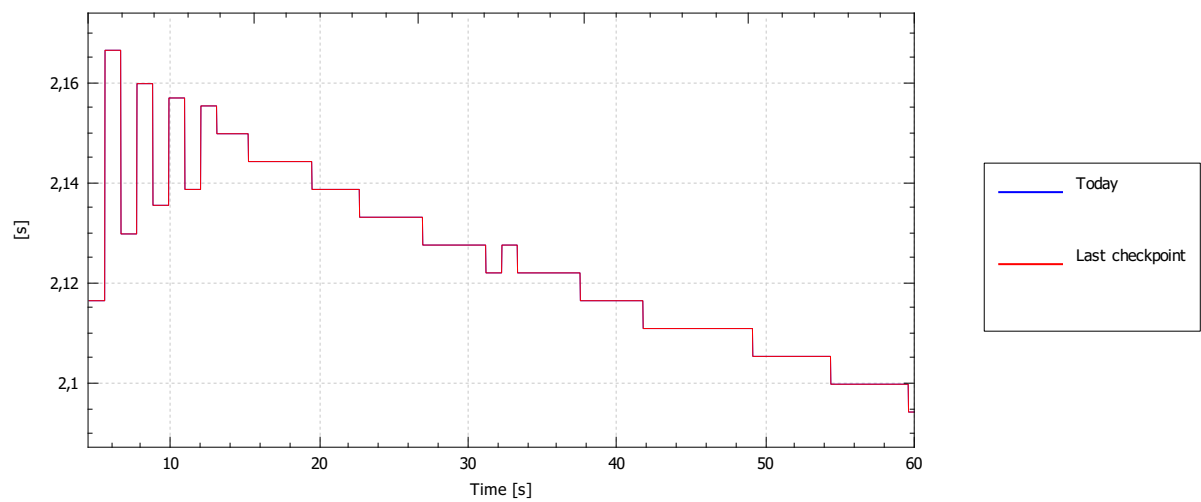
Rotational speed



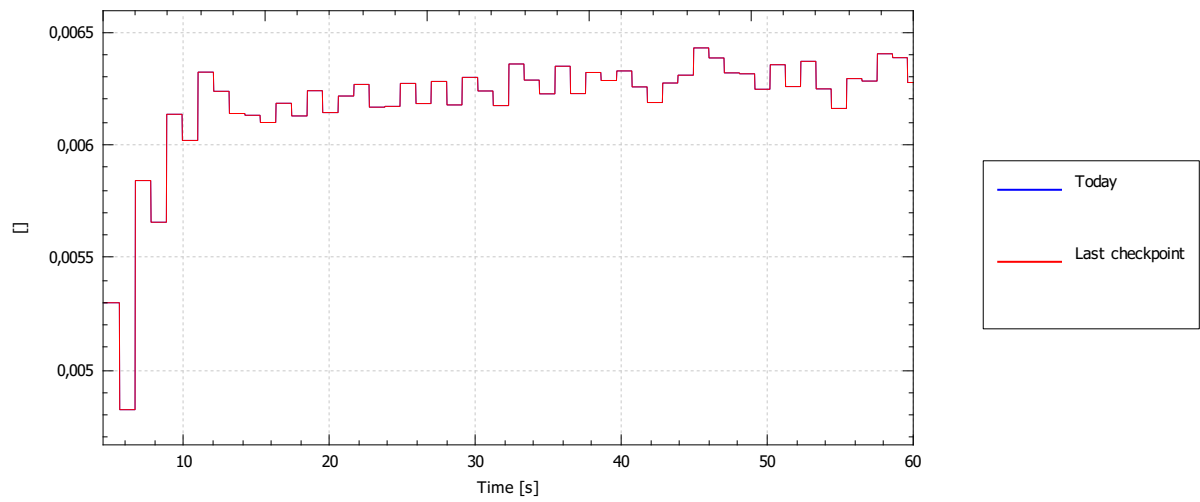
Rotational acceleration mag



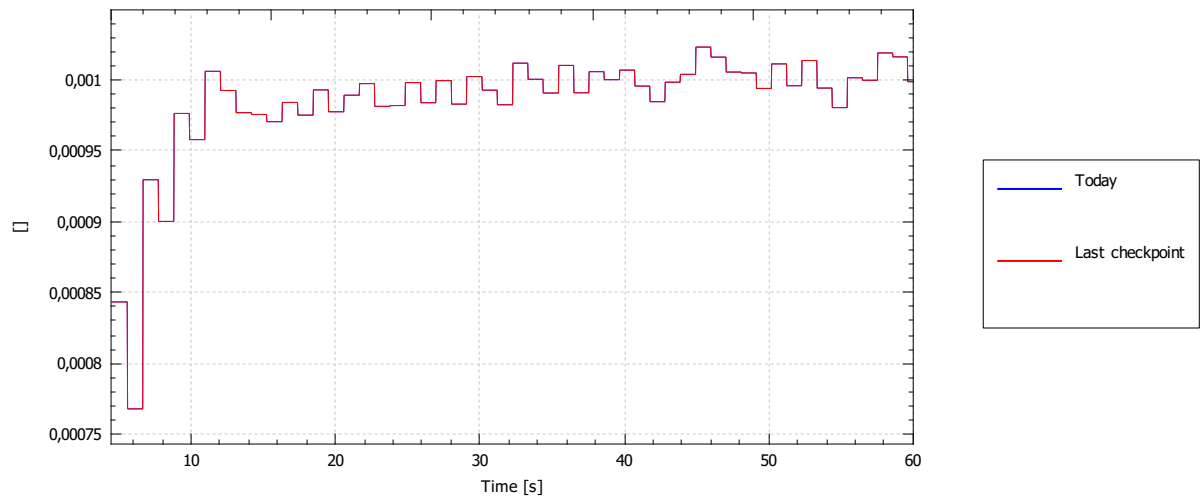
Displacement period



Displacement logarithmic decrement

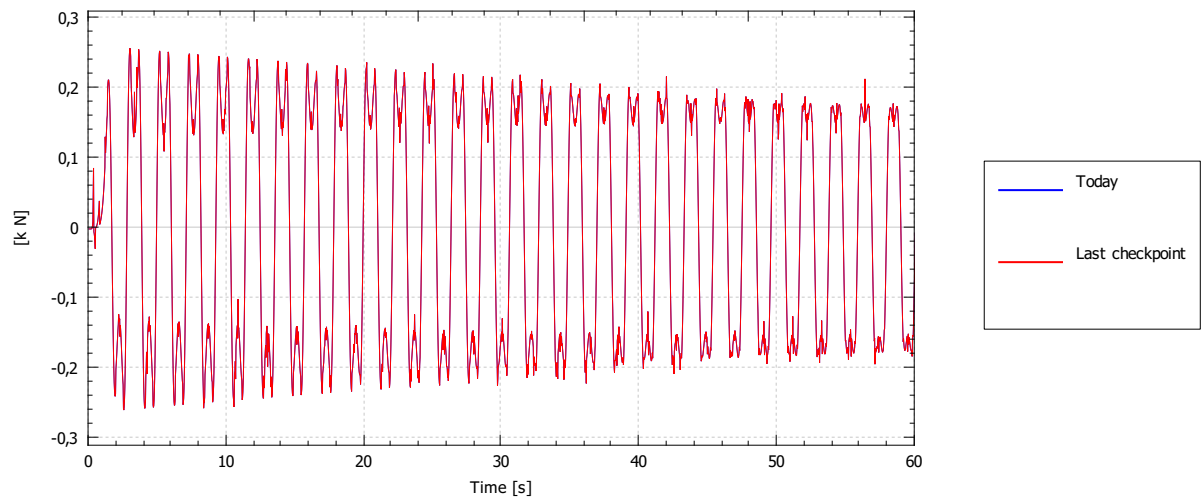


Displacement damping ratio

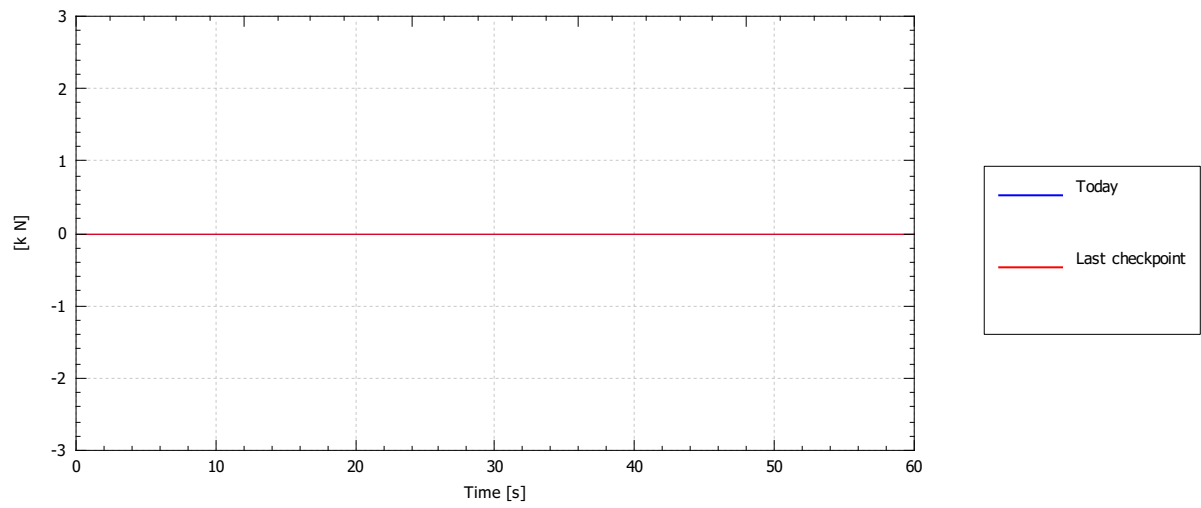


Support [Support 1 | Pendulum]

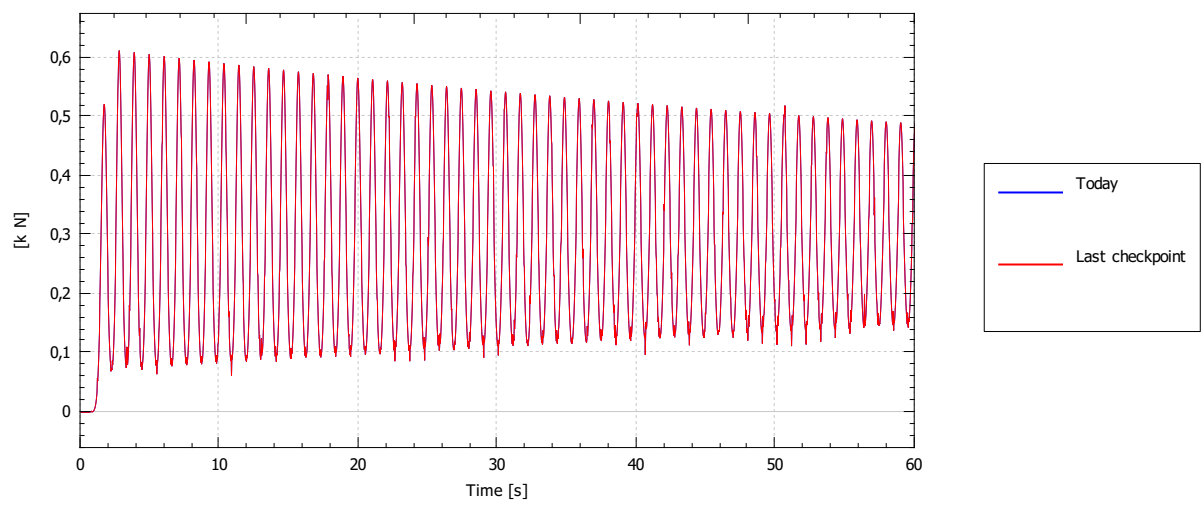
Reaction force (x)



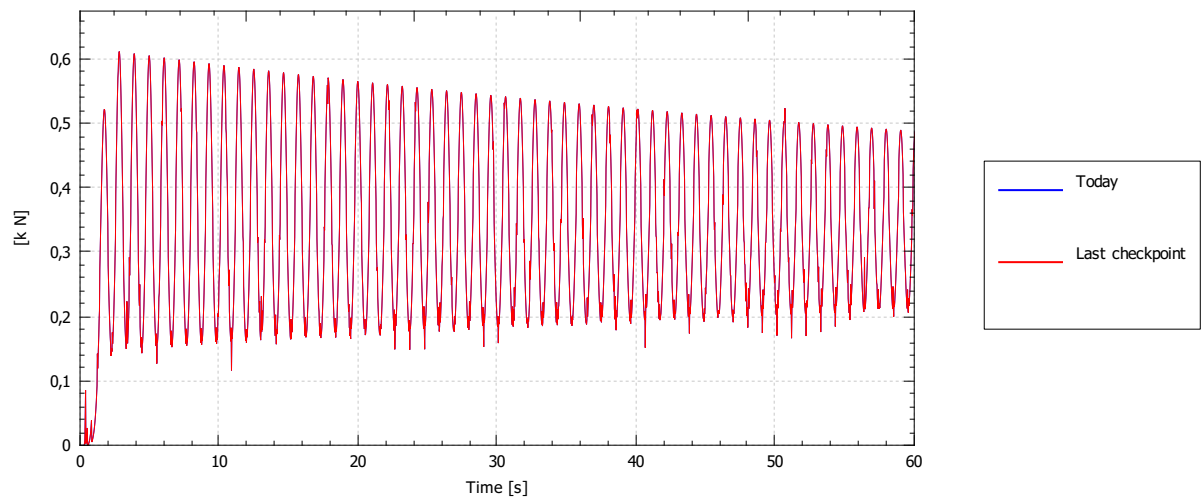
Reaction force (y)



Reaction force (z)

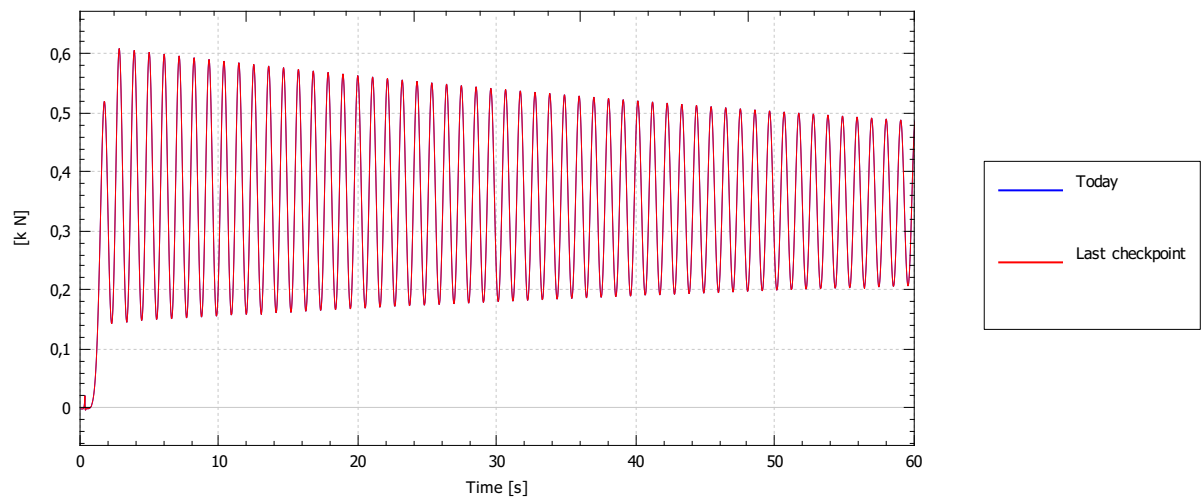


Reaction force (mag.)

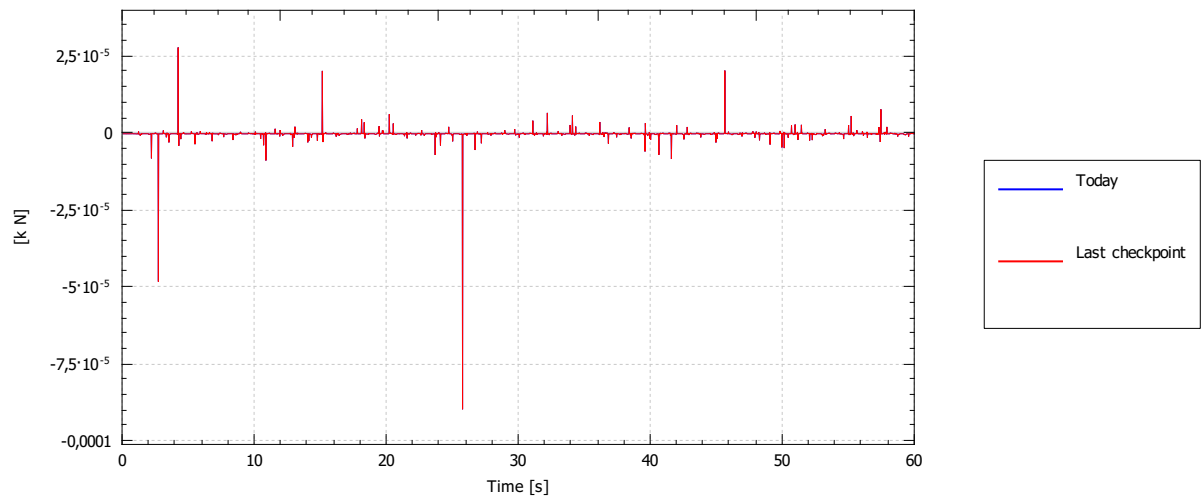


Beam element [Element 1 | Pendulum]

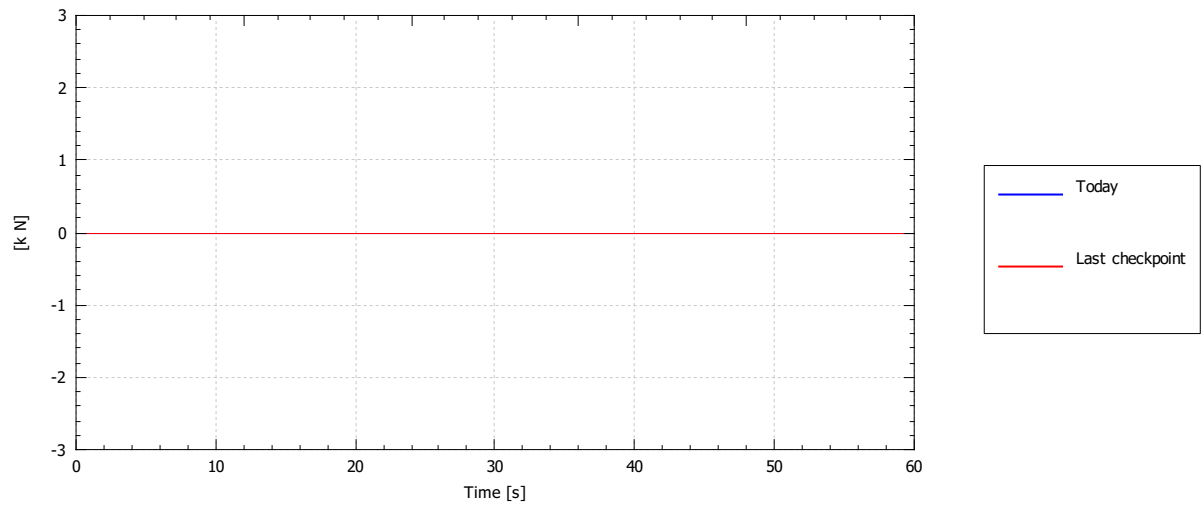
Axial force



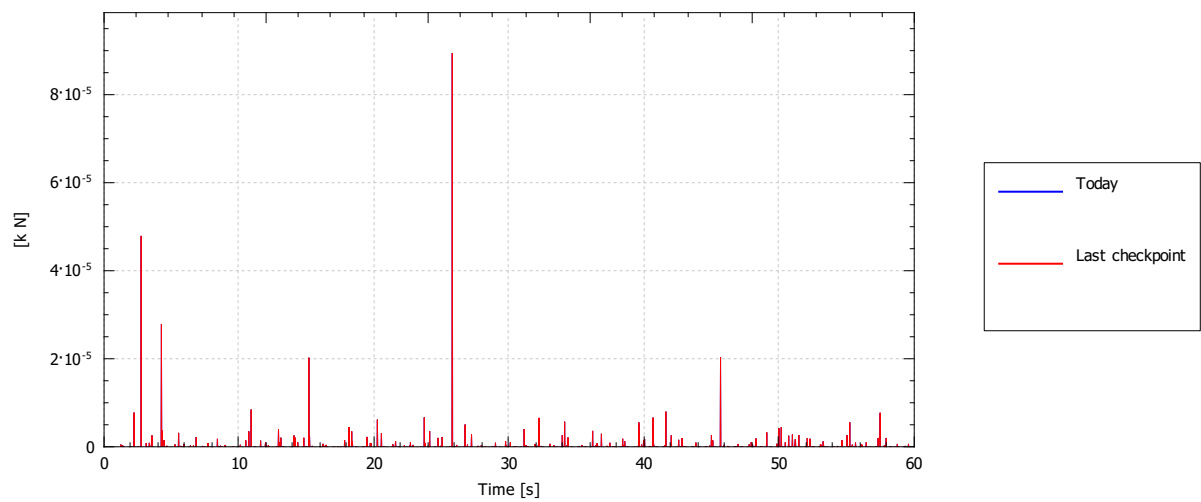
Shear force (1st prin. axis)



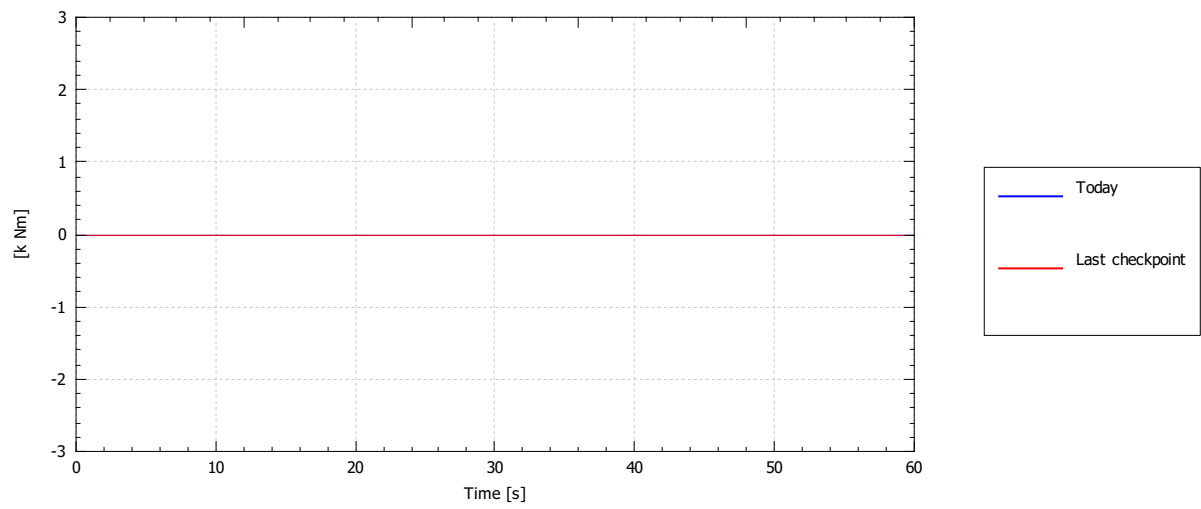
Shear force (2nd prin. axis)



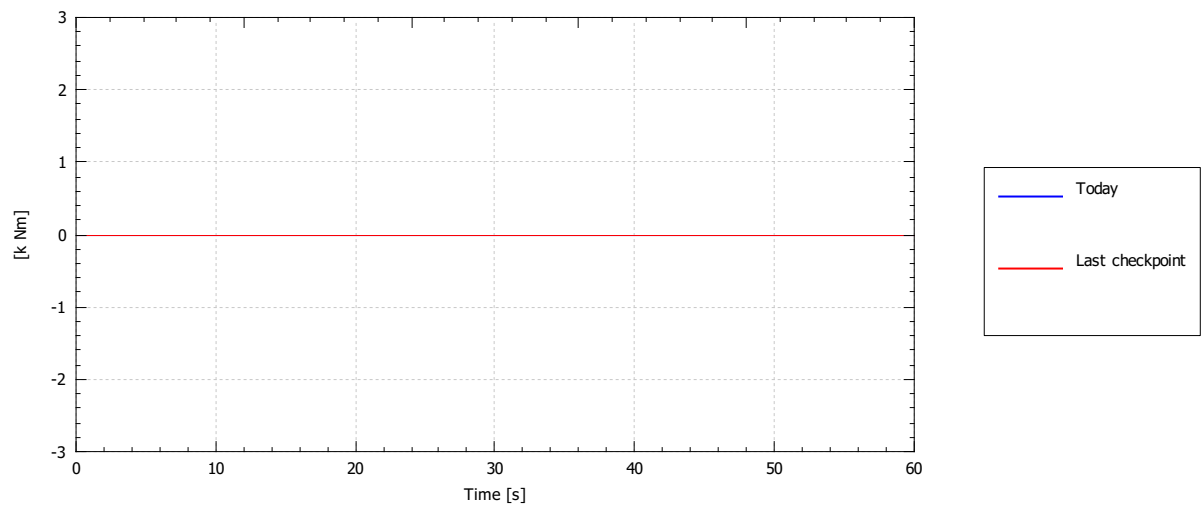
Shear force, mag.



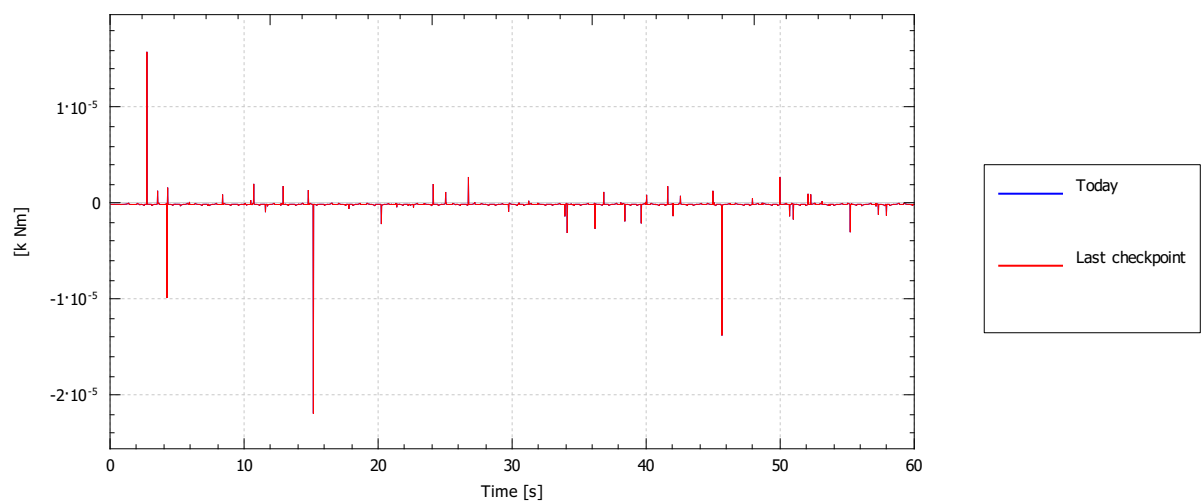
Torque



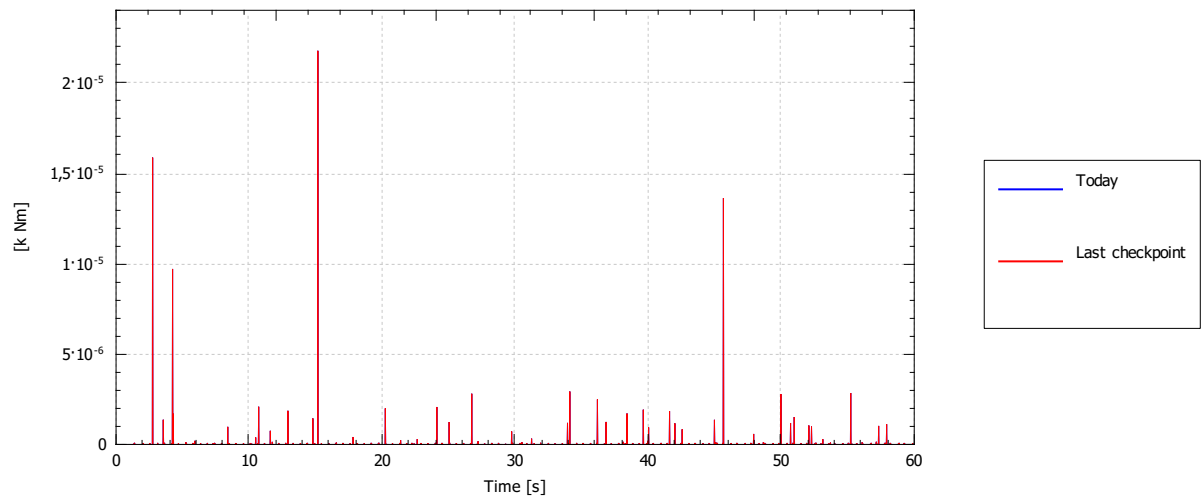
Moment (1st prin. axis), i



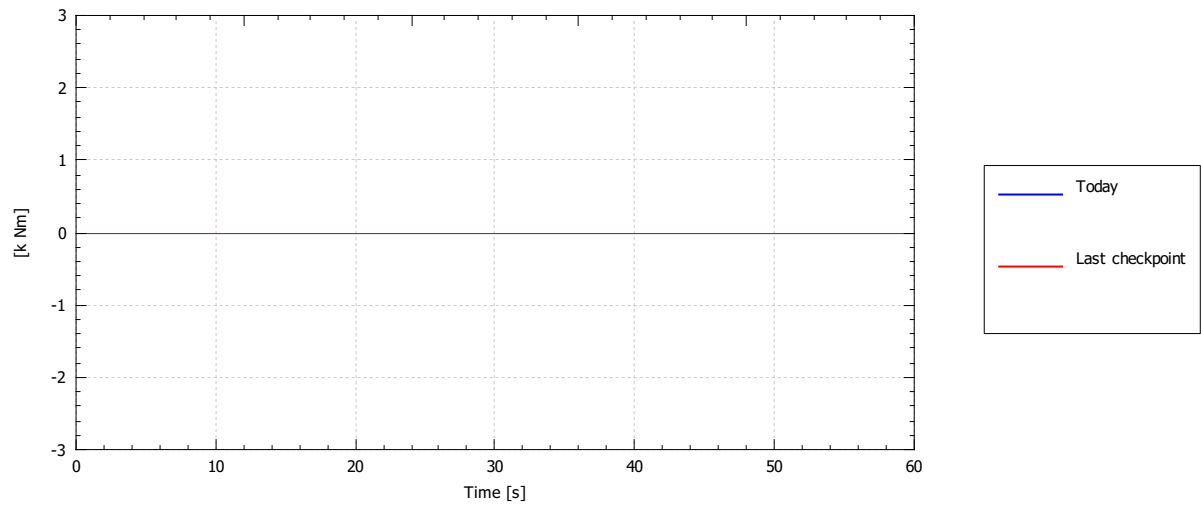
Moment (2nd prin. axis), i



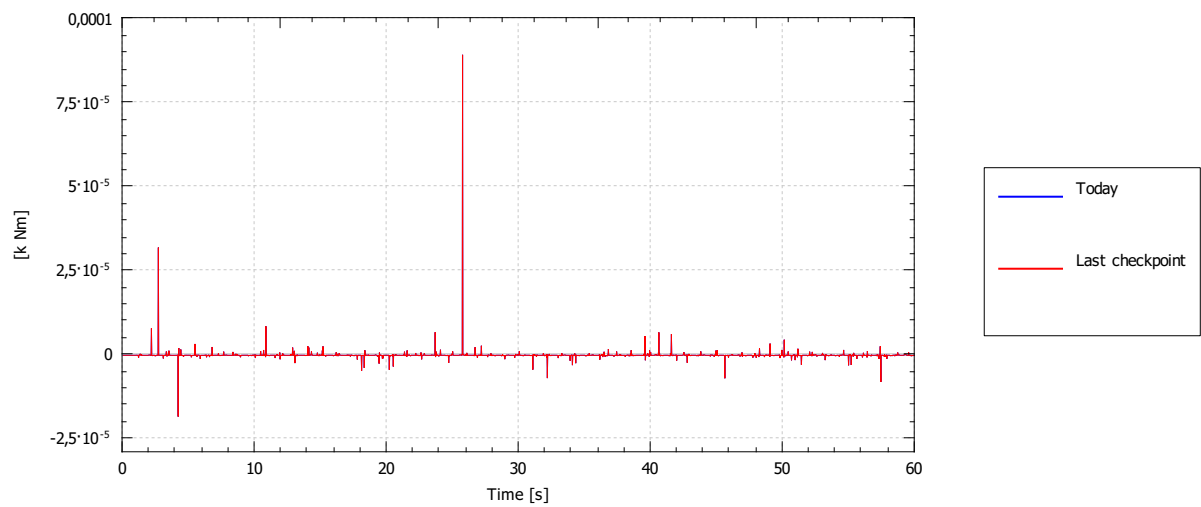
Moment, mag., i



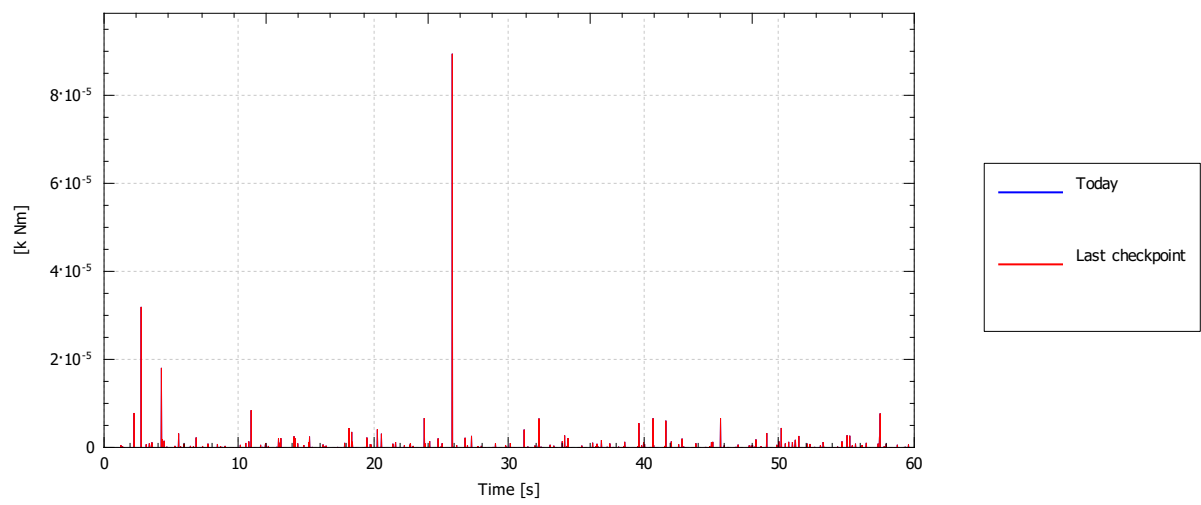
Moment (1st prin. axis), j



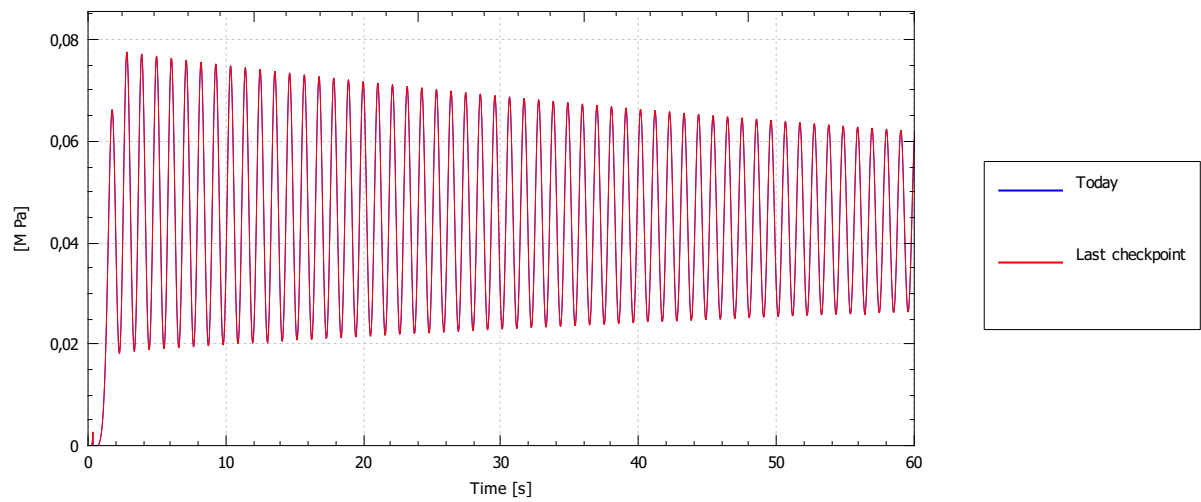
Moment (2nd prin. axis), j



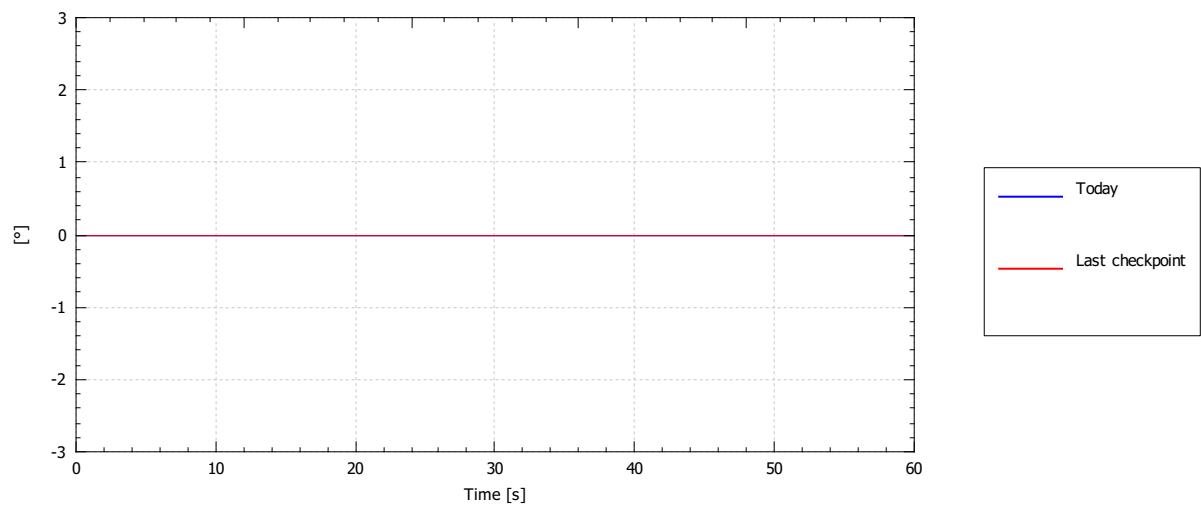
Moment, mag., j



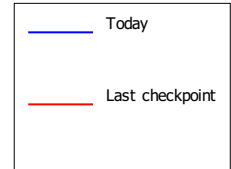
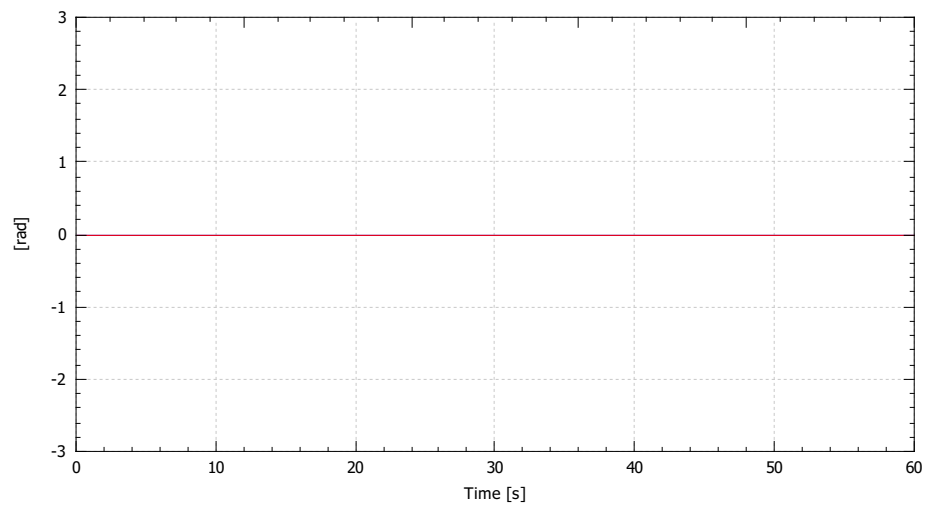
Max normal stress



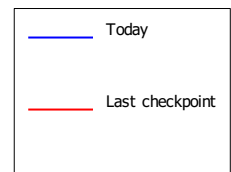
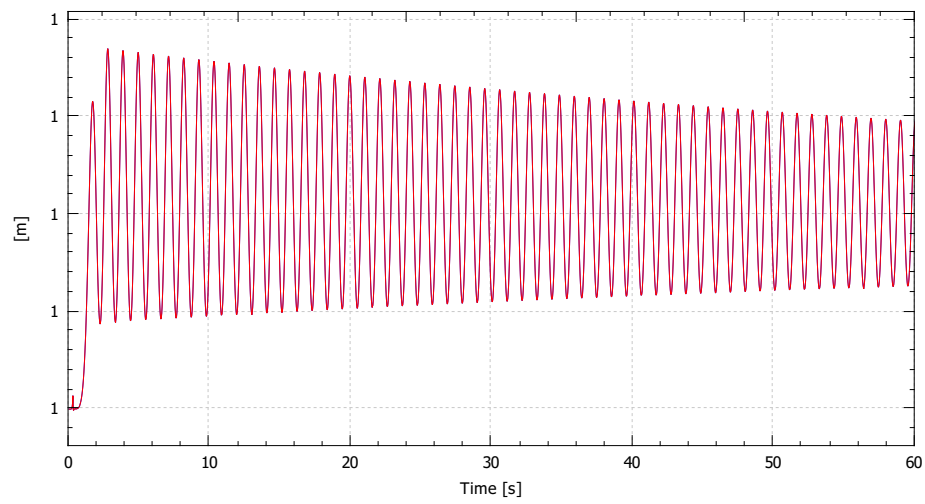
Twist (structural)



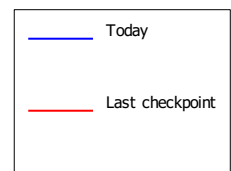
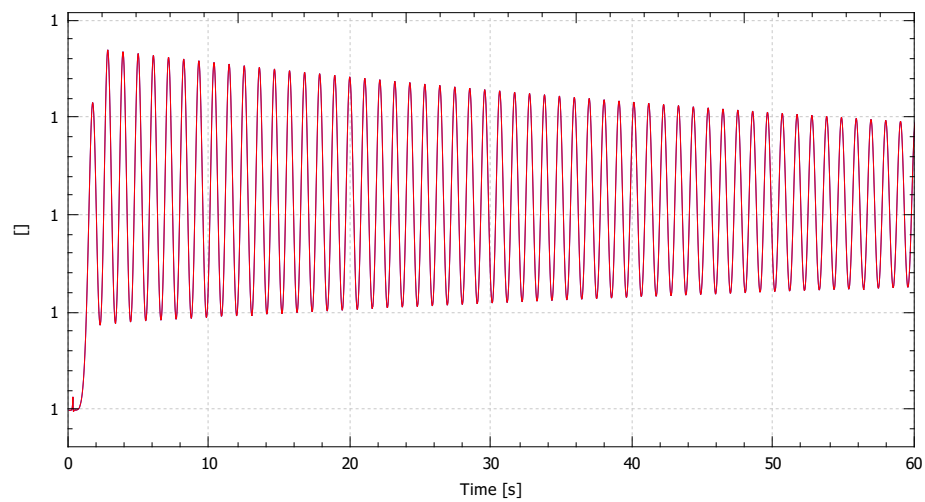
Twist (structural) - rad



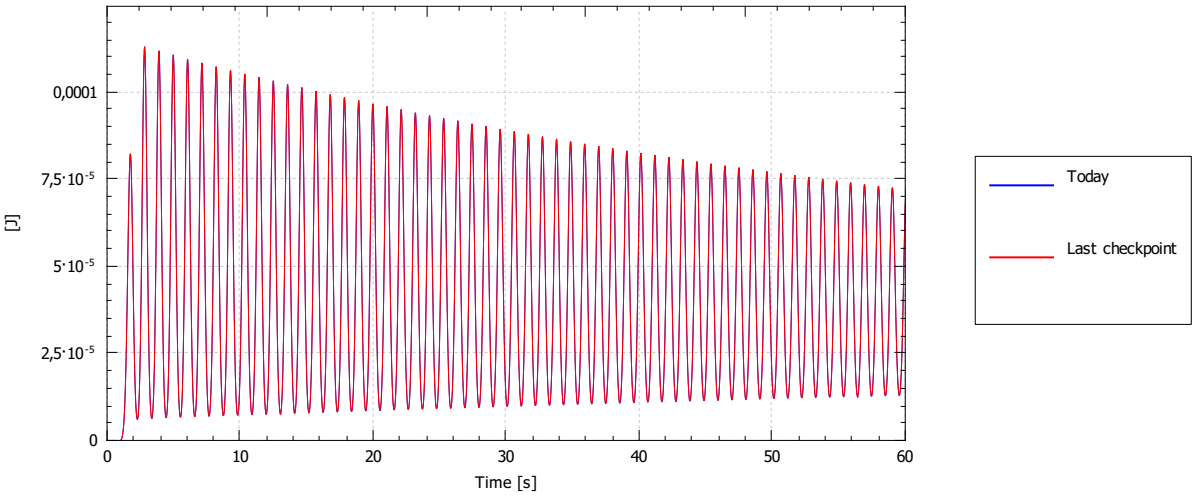
Deformed length



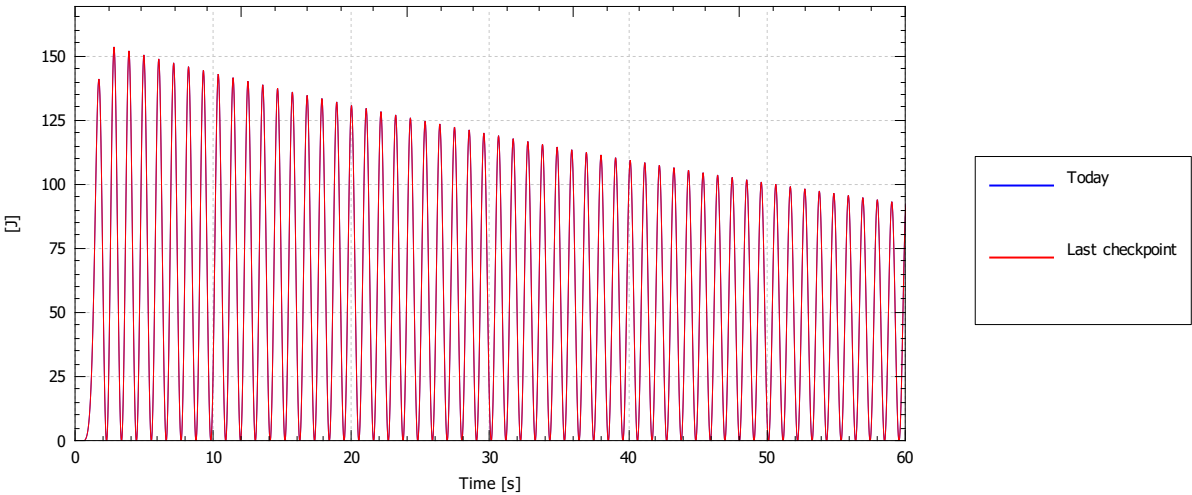
Elongation



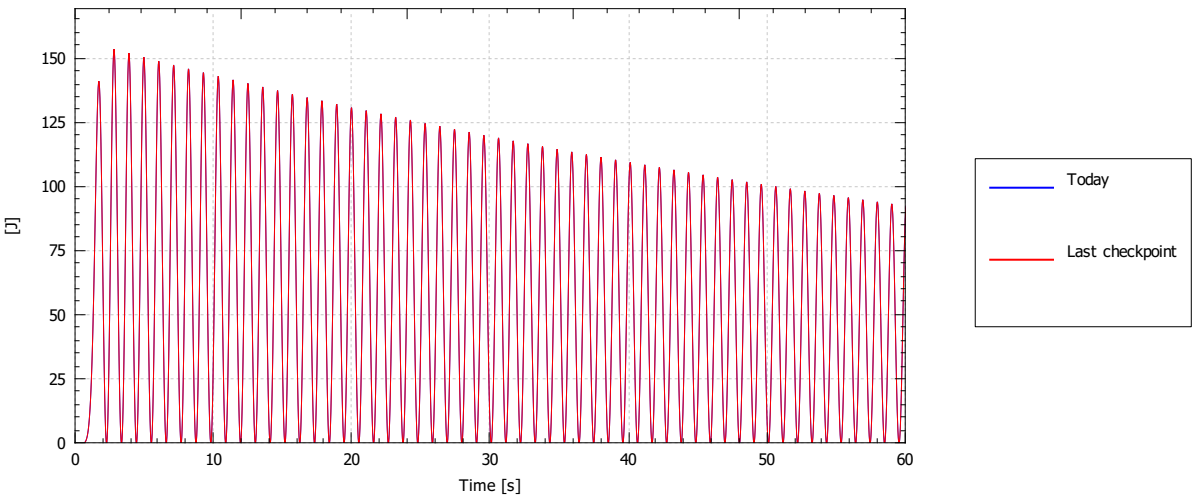
Strain energy



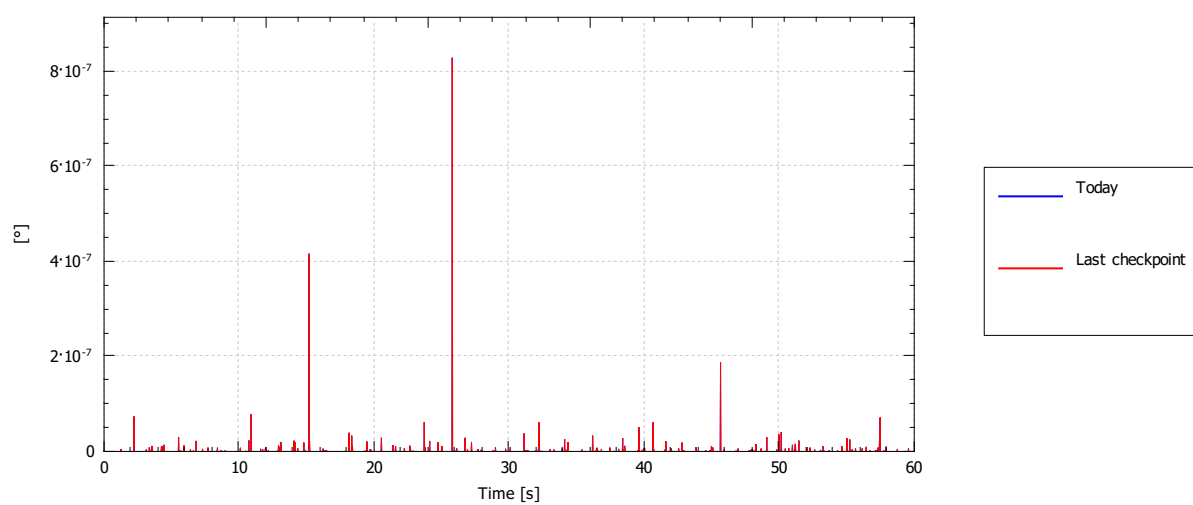
Kinetic energy



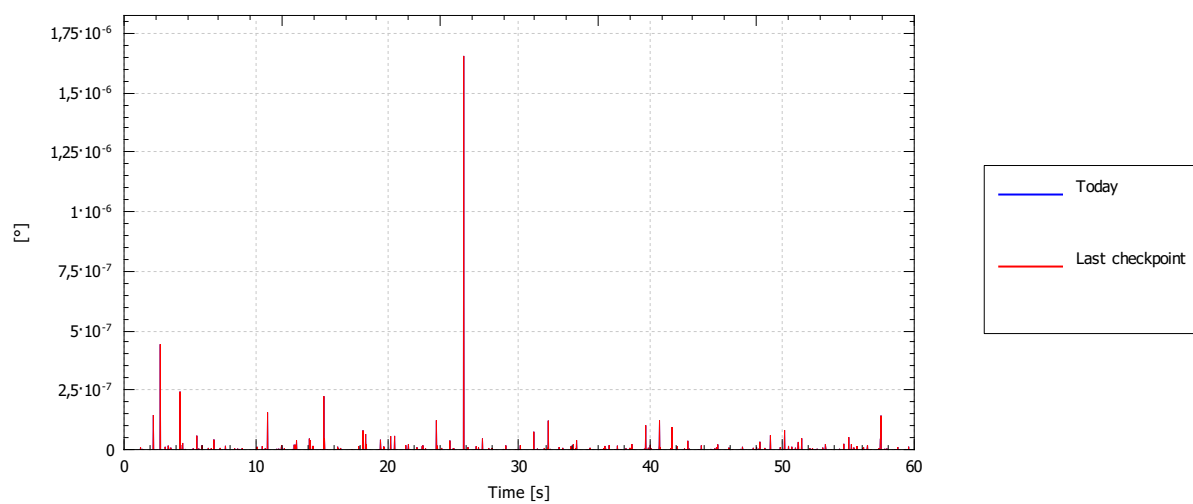
Mechanical energy



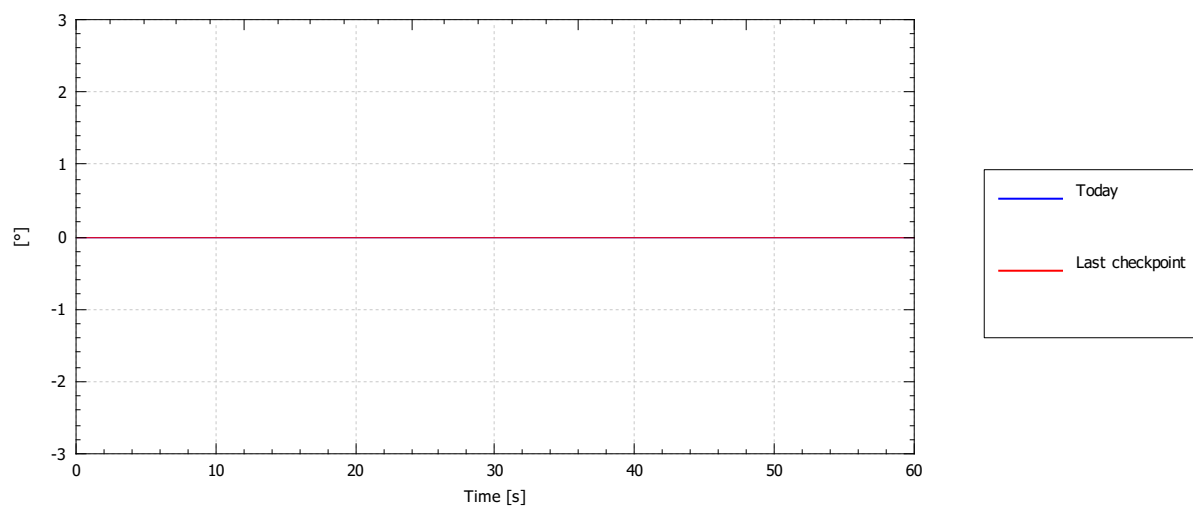
Deformational rotation (i)



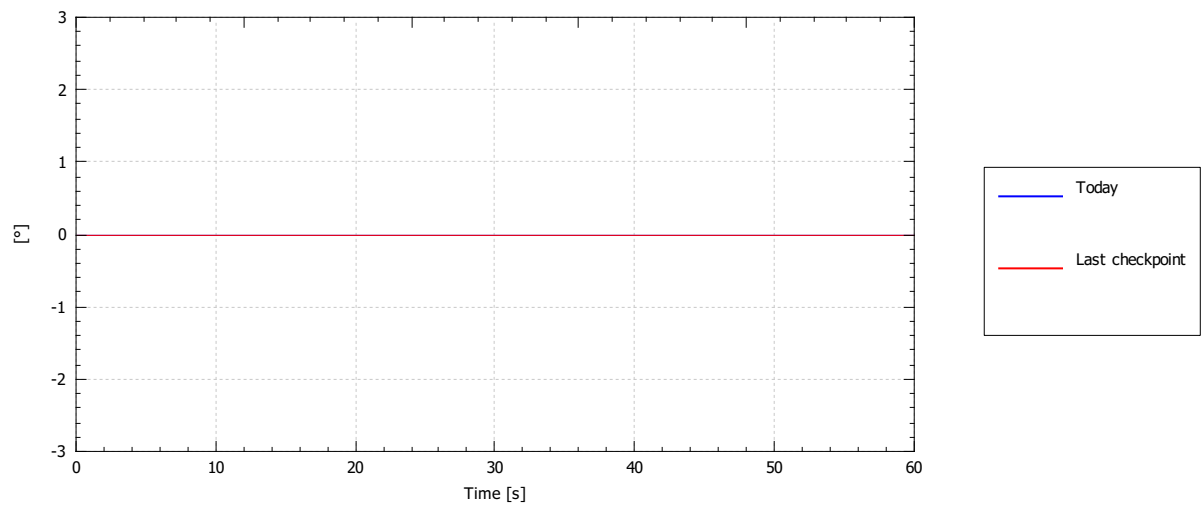
Deformational rotation (j)



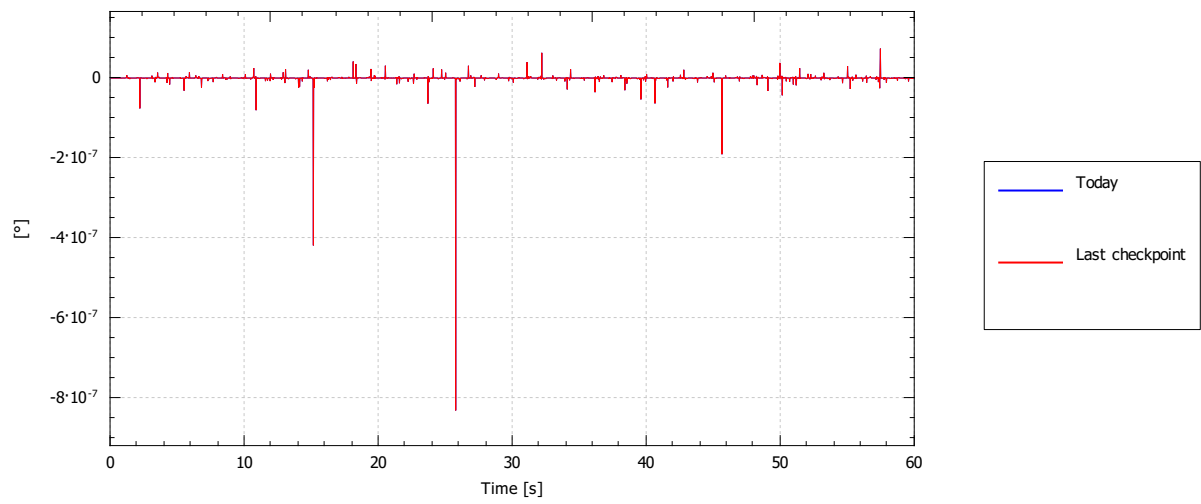
Deformational rotation (axial)



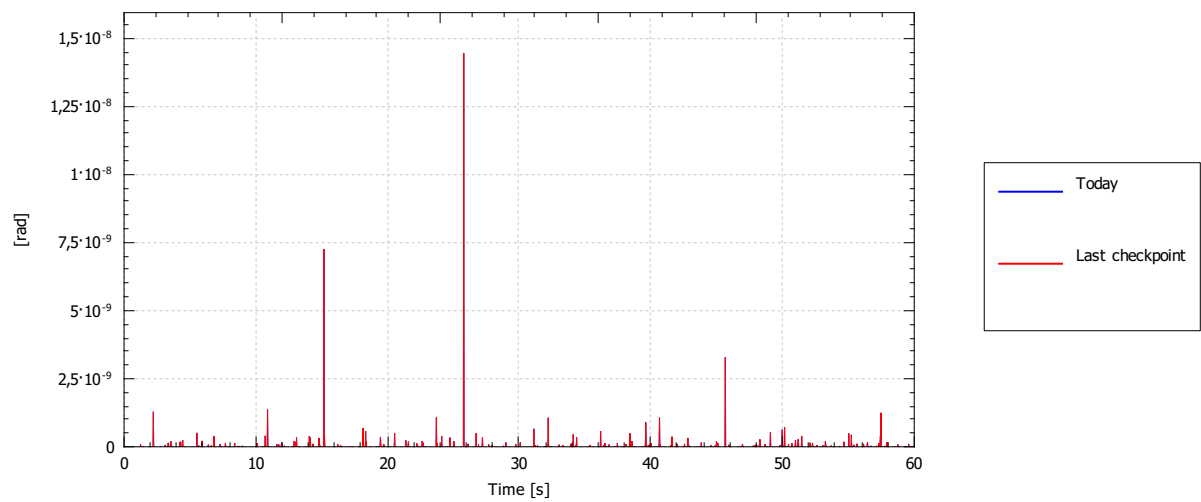
Deformational rotation (1st prin.)



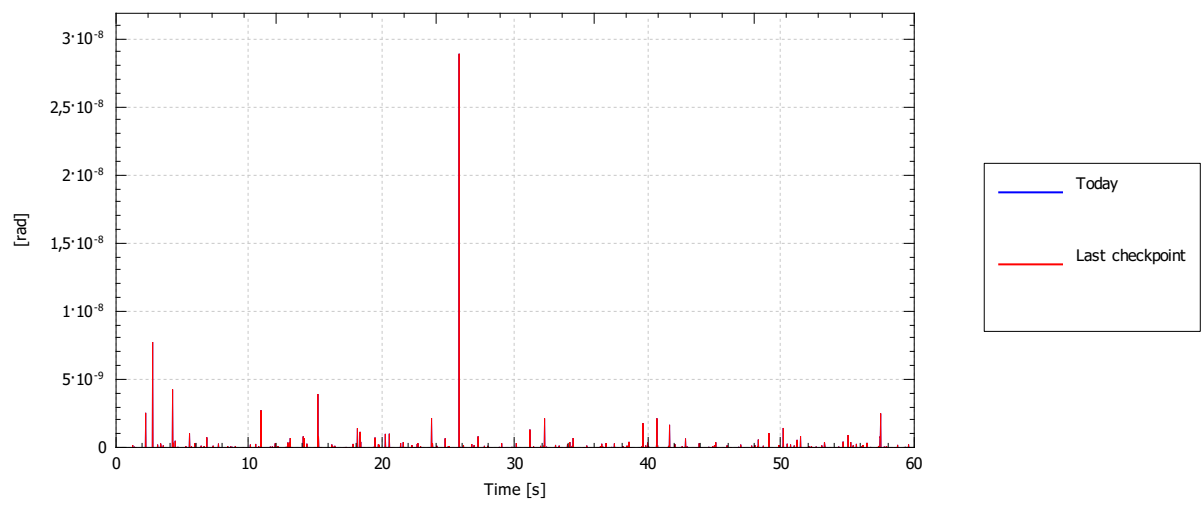
Deformational rotation (2nd prin.)



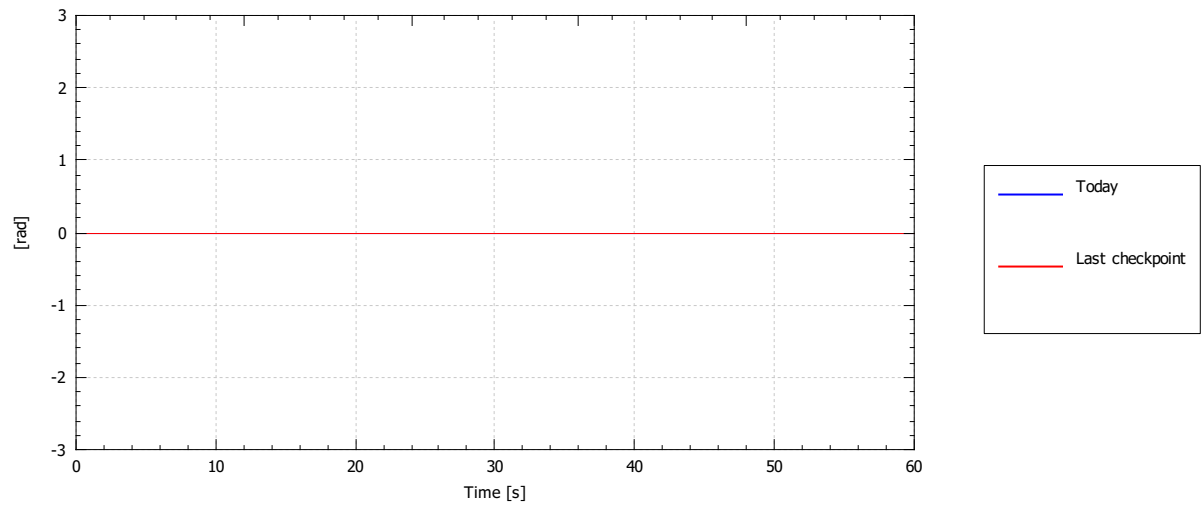
Deformational rotation (i) - rad



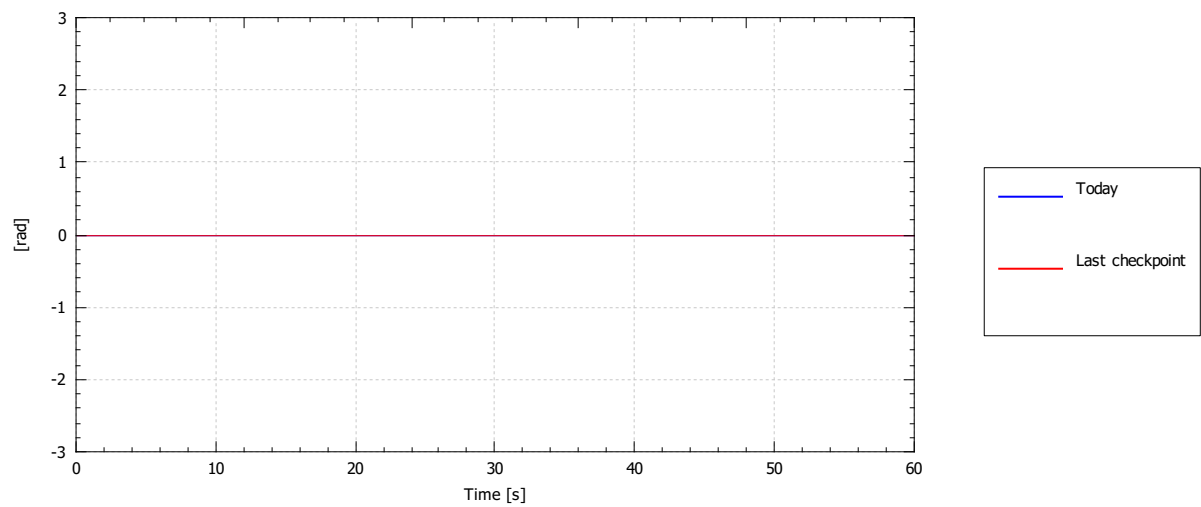
Deformational rotation (j) - rad



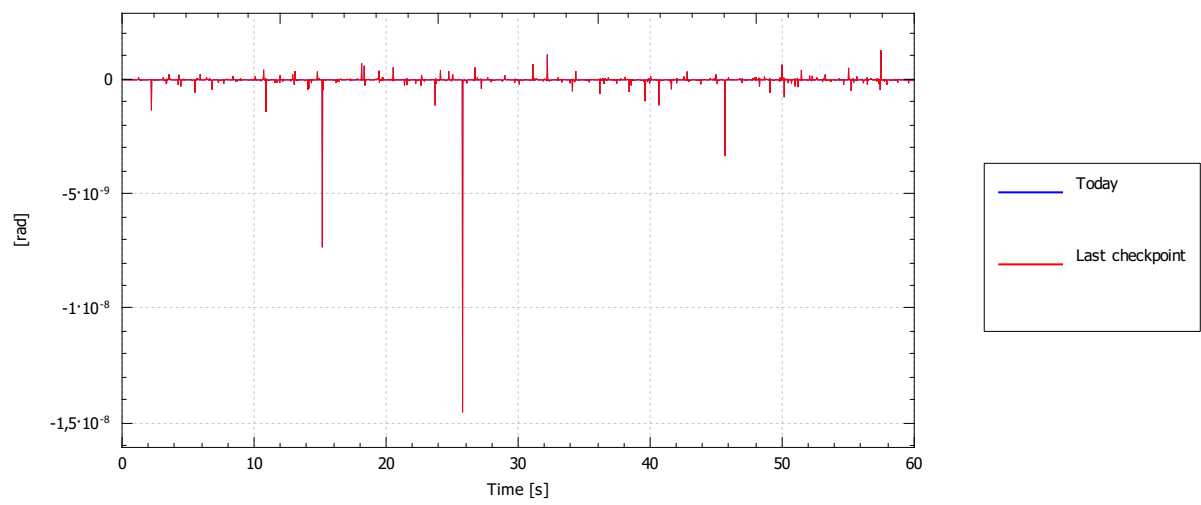
Deformational rotation (axial) - rad



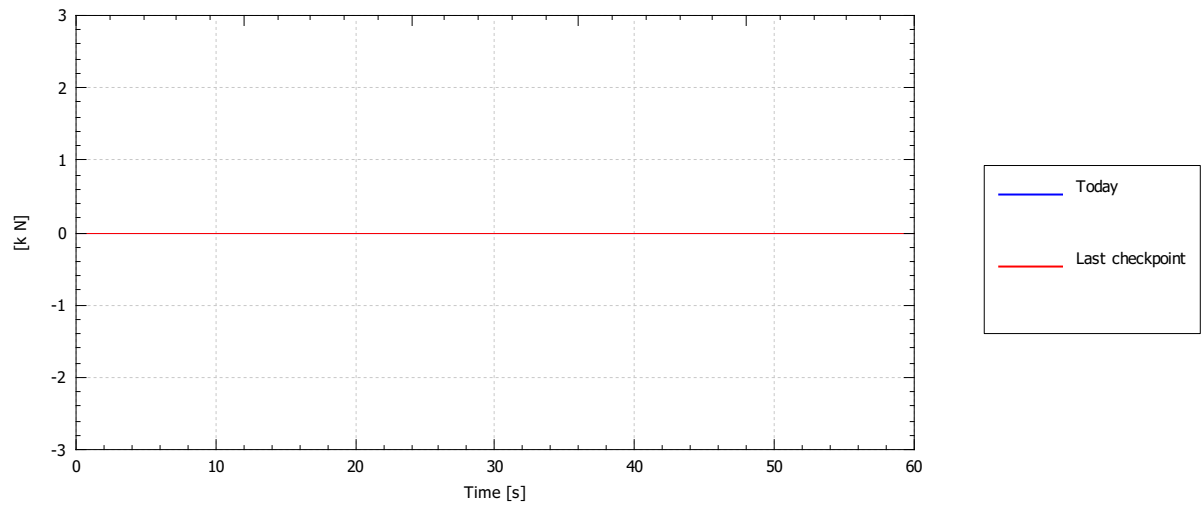
Deformational rotation (1st prin.) - rad



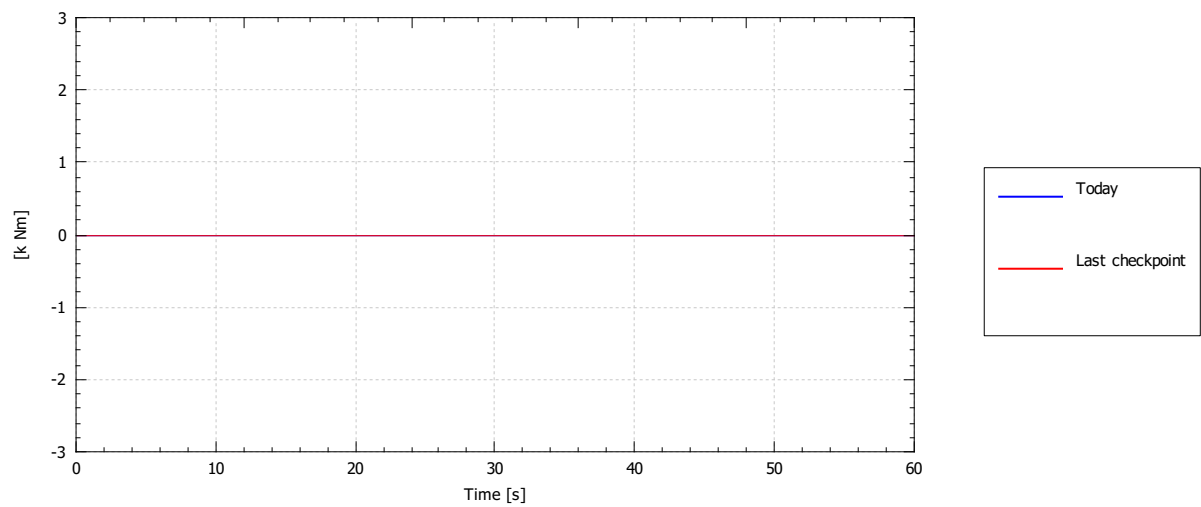
Deformational rotation (2nd prin.) - rad

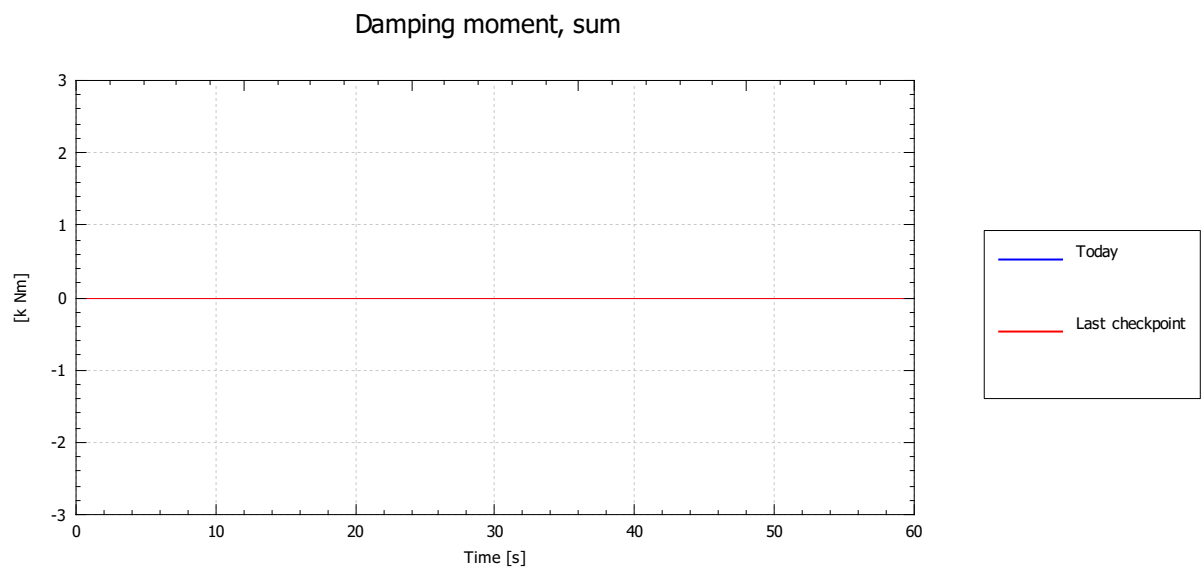
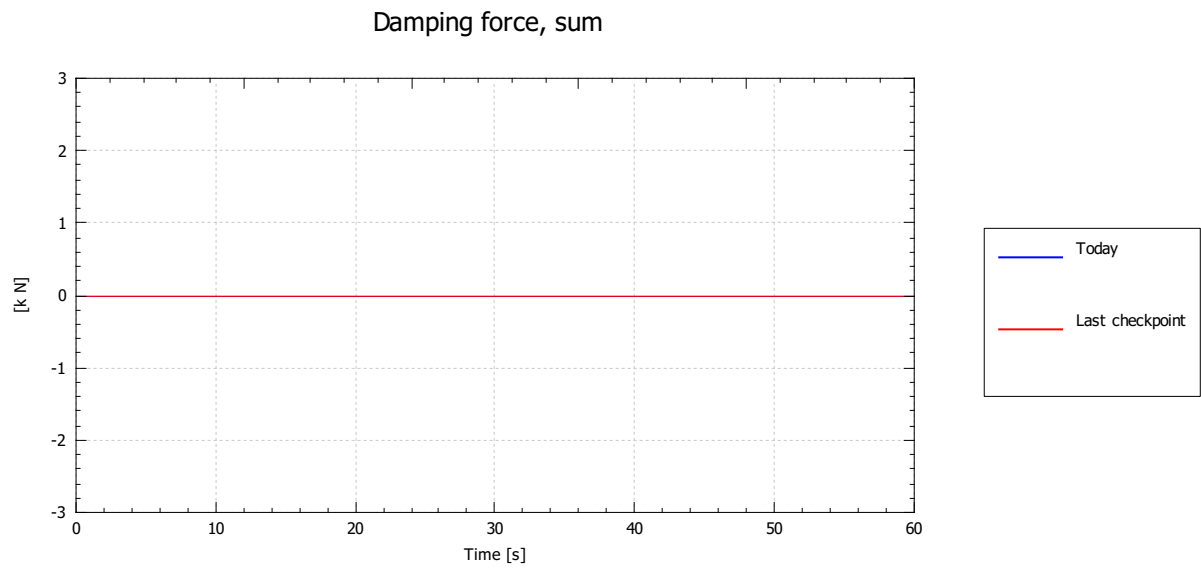


Damping force, i



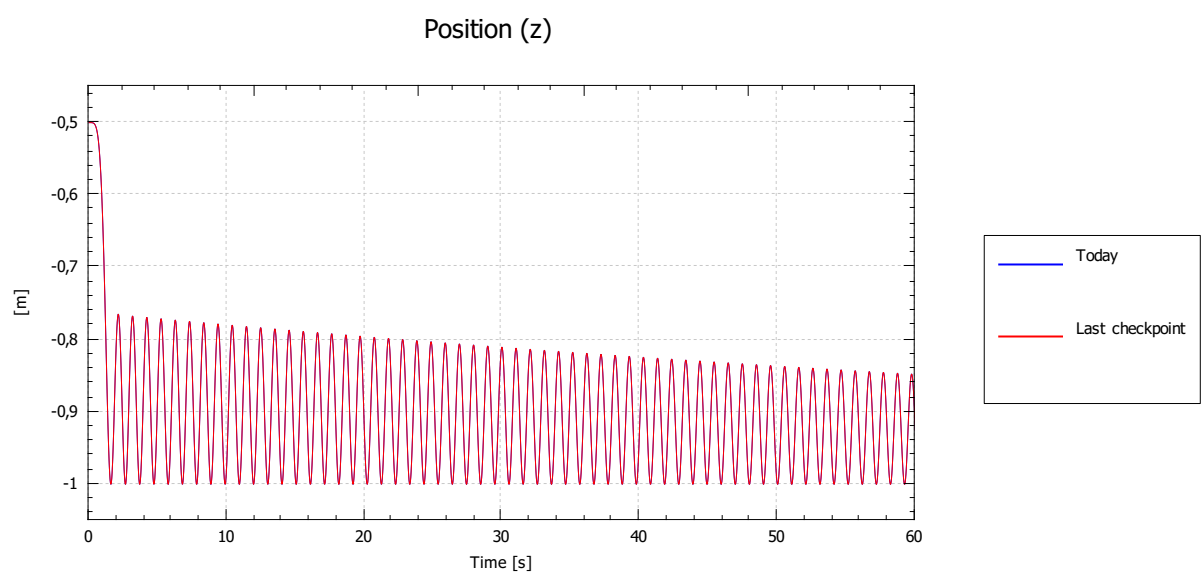
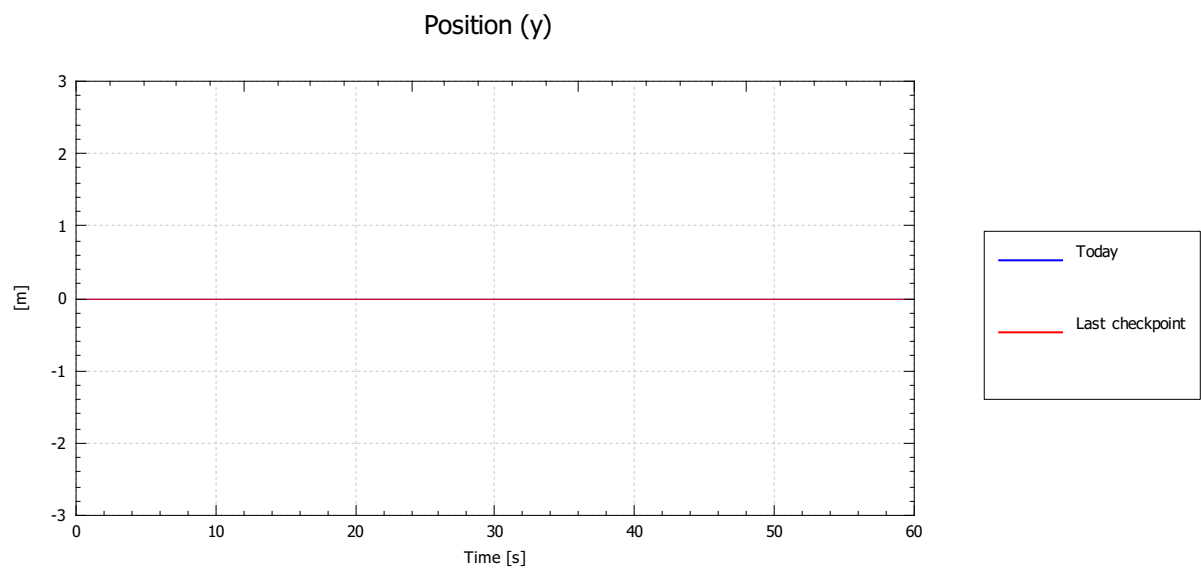
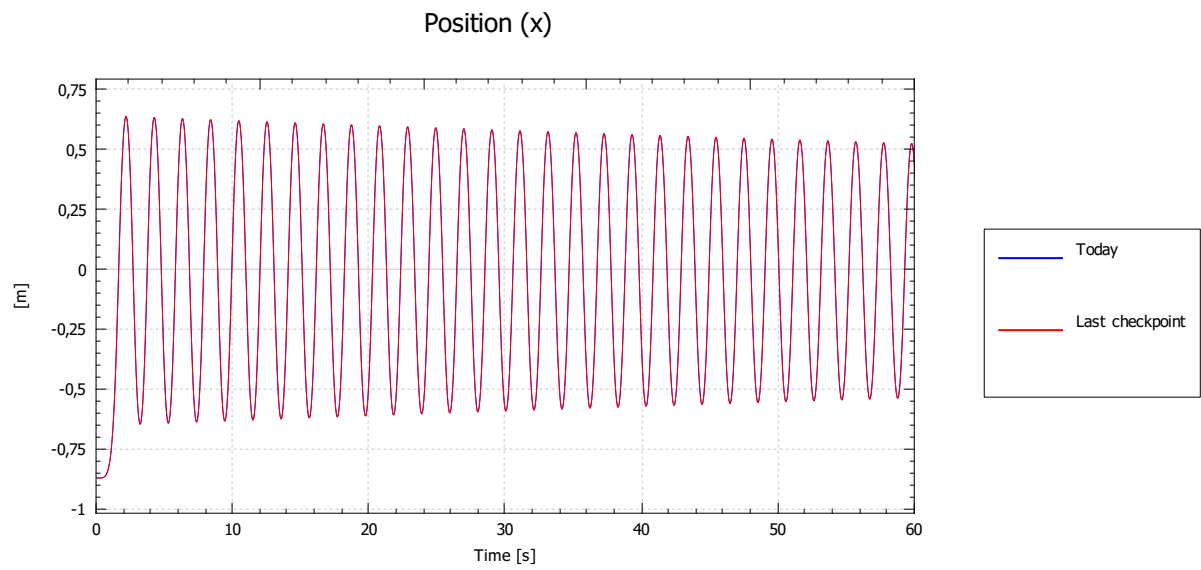
Damping moment, i



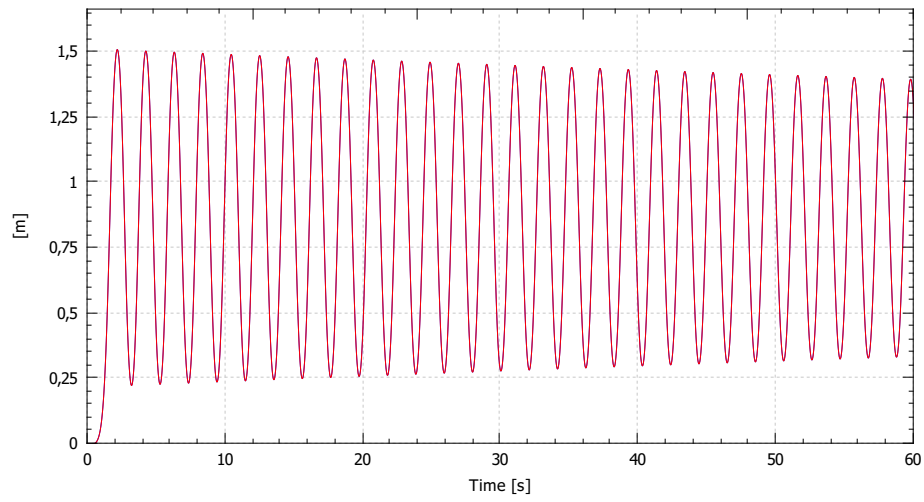


Load case: Free motion damped 60 deg

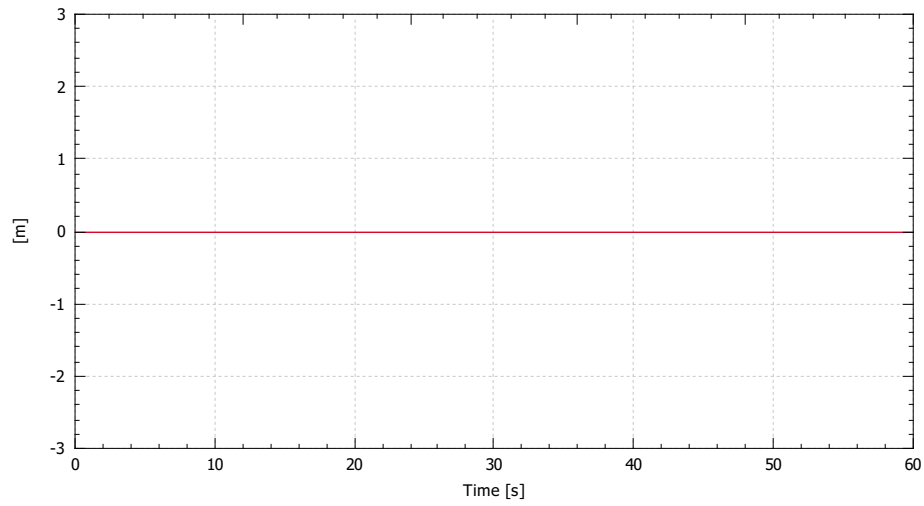
Node [Node 2 | Pendulum]



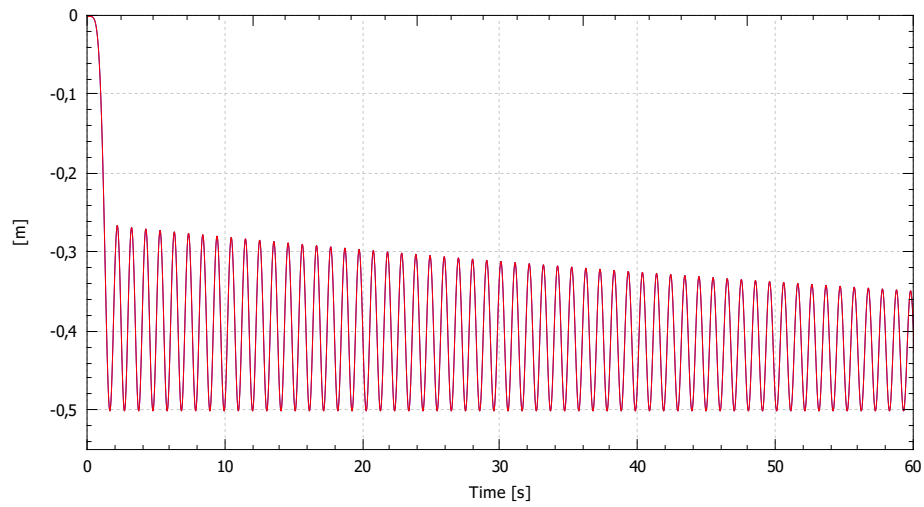
Displacement (u)



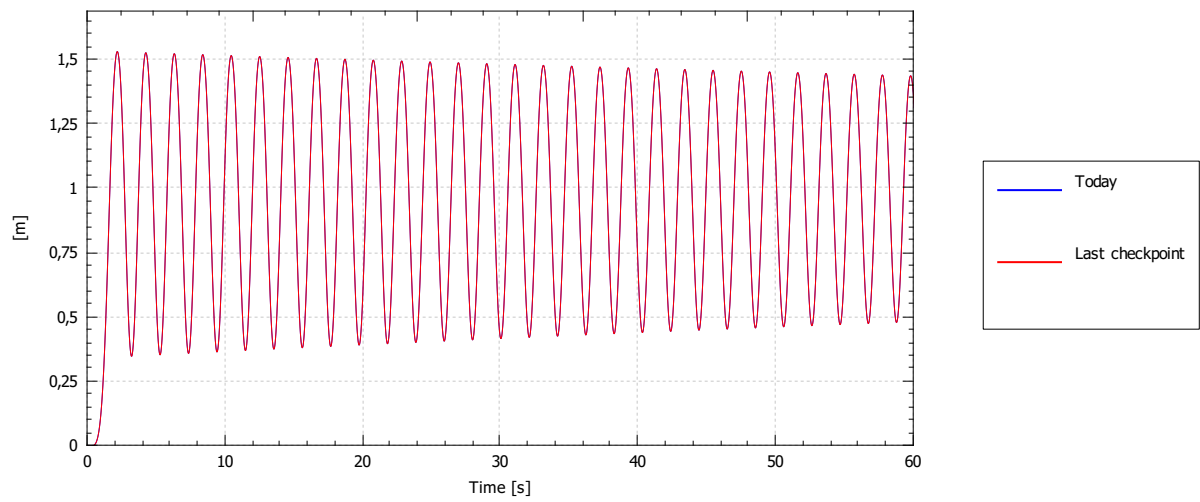
Displacement (v)



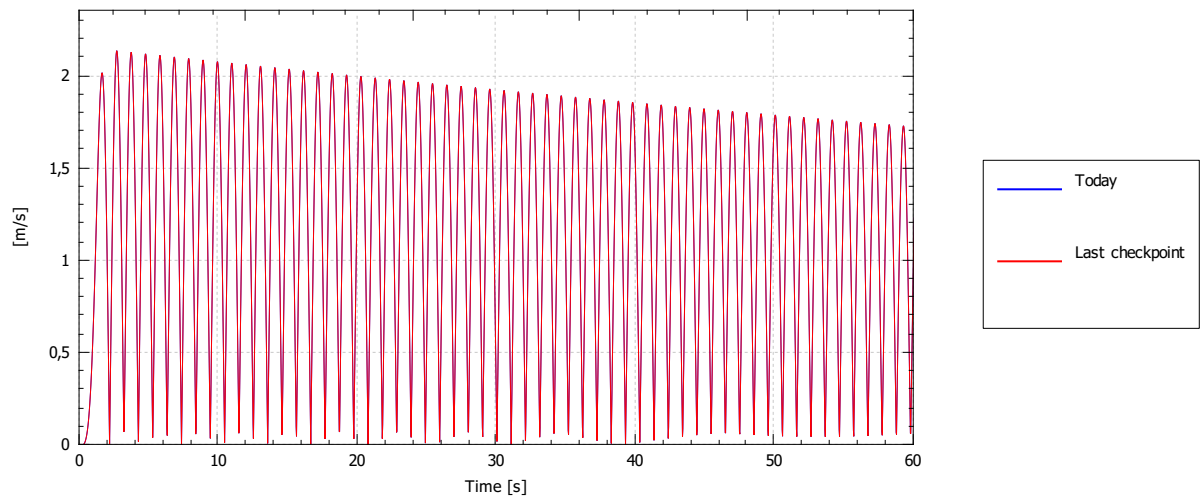
Displacement (w)



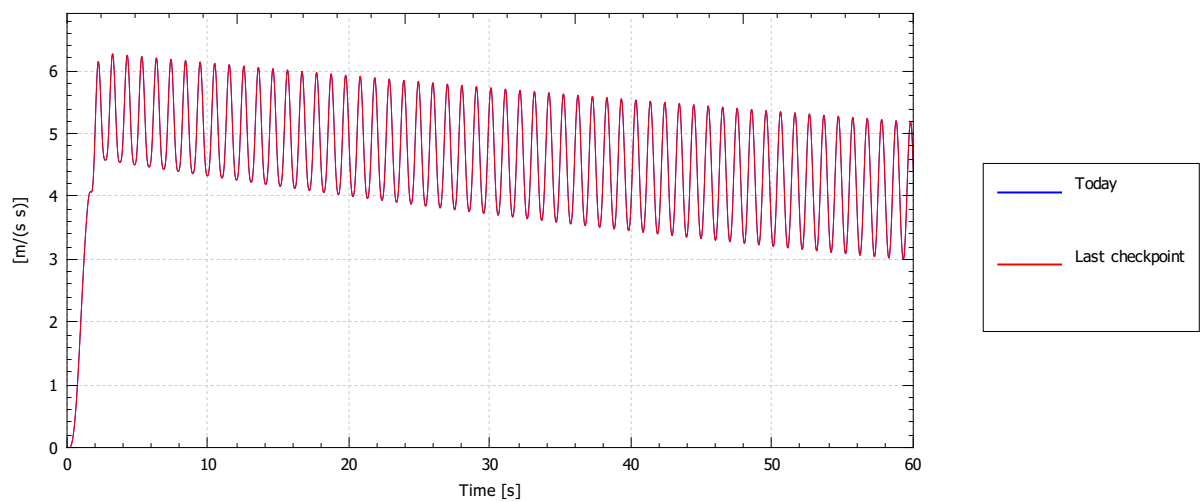
Displacement magnitude



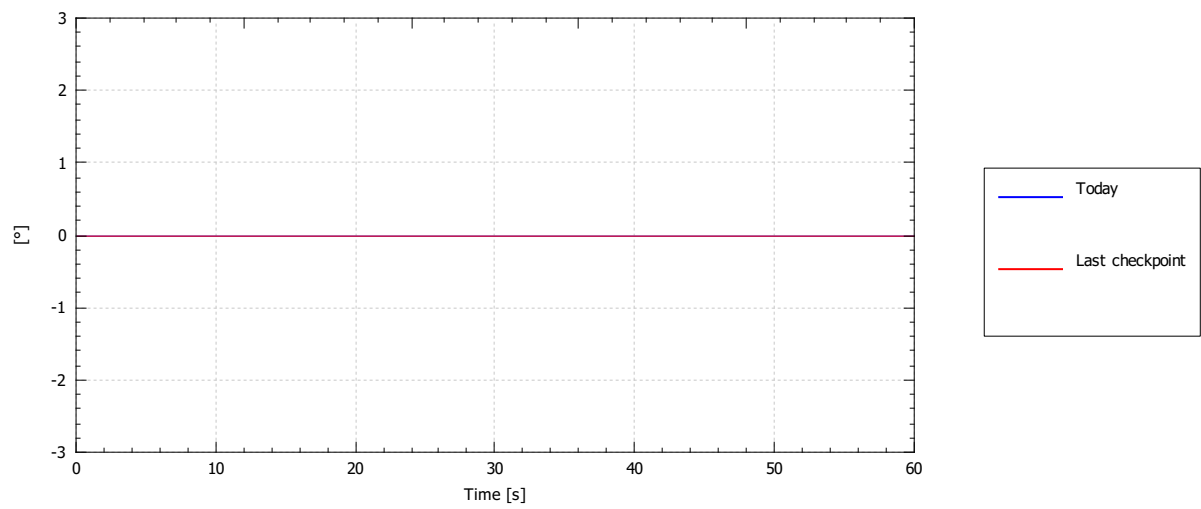
Speed



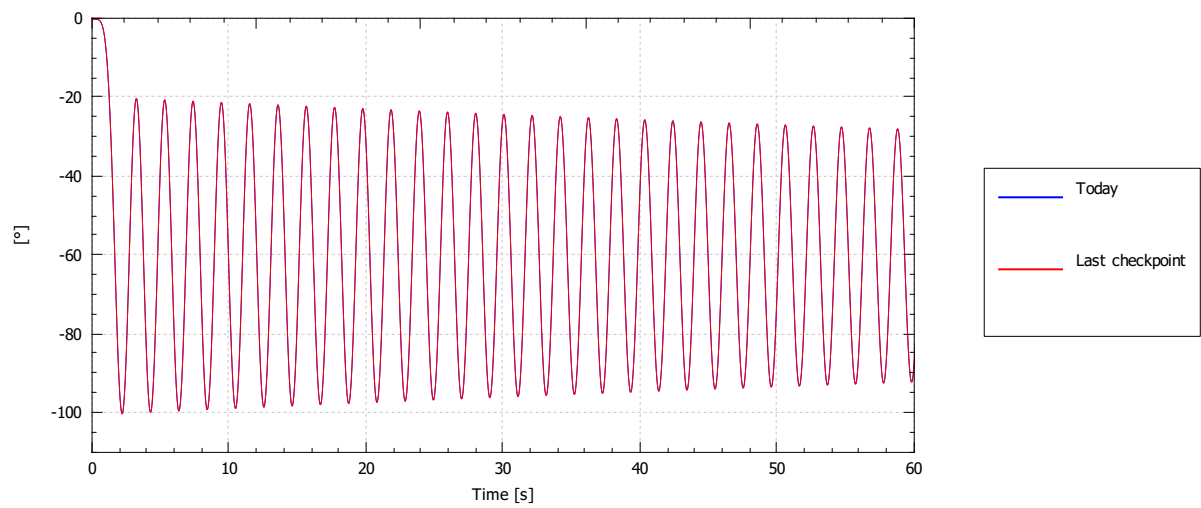
Acceleration, magnitude



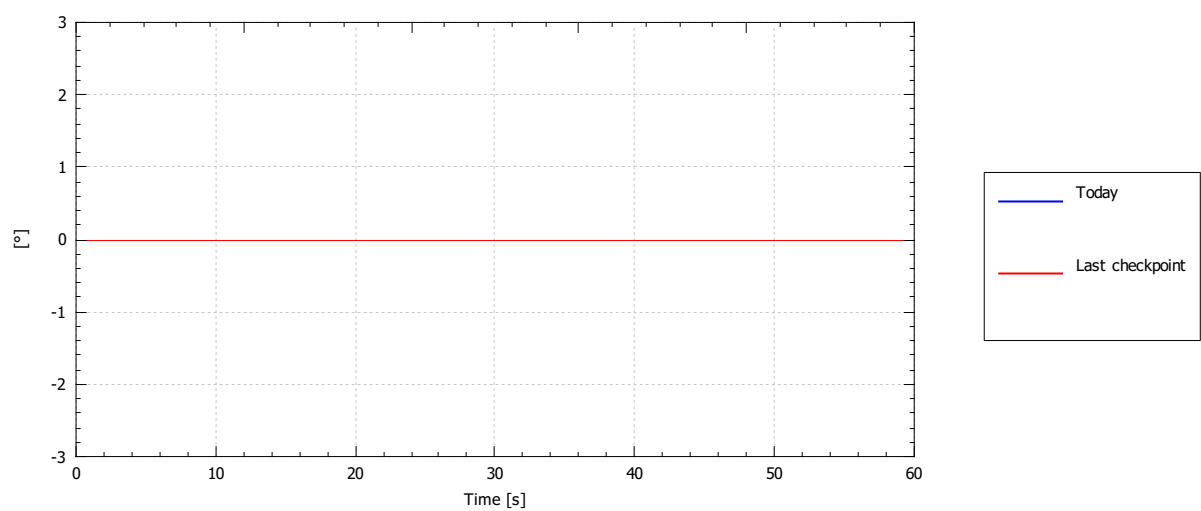
Rotational displacement (ru)



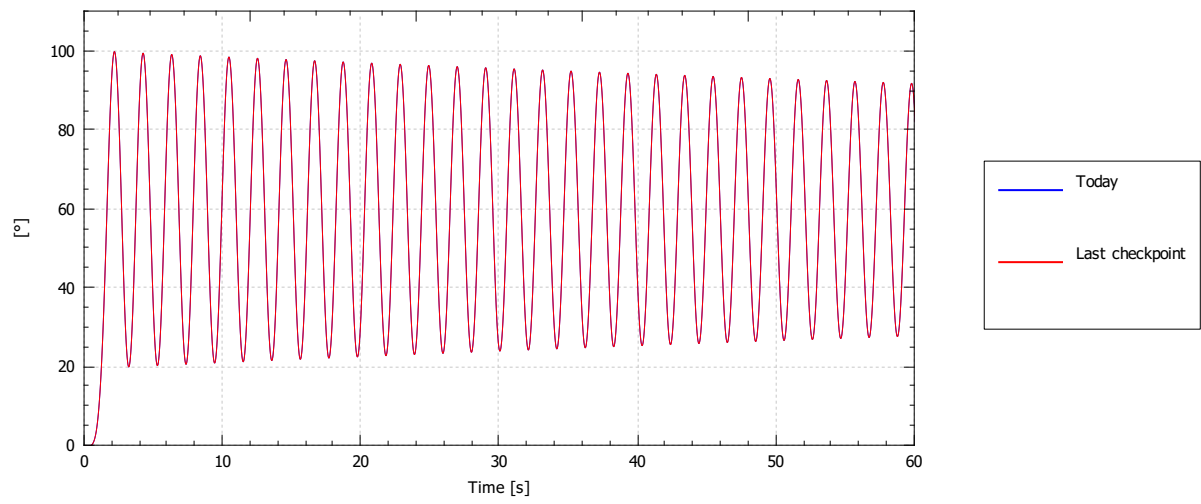
Rotational displacement (rv)



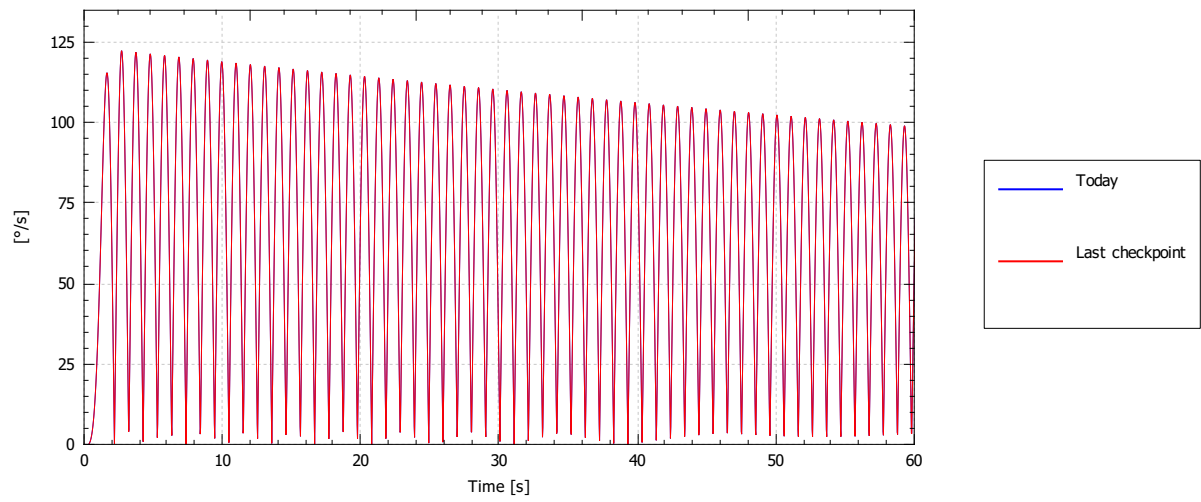
Rotational displacement (rw)



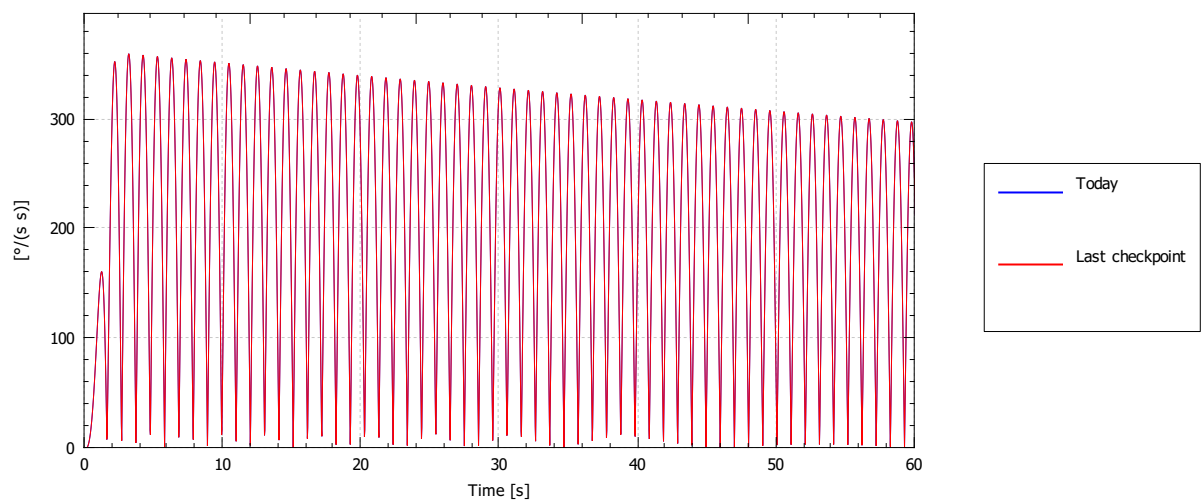
Rotational displacement magnitude



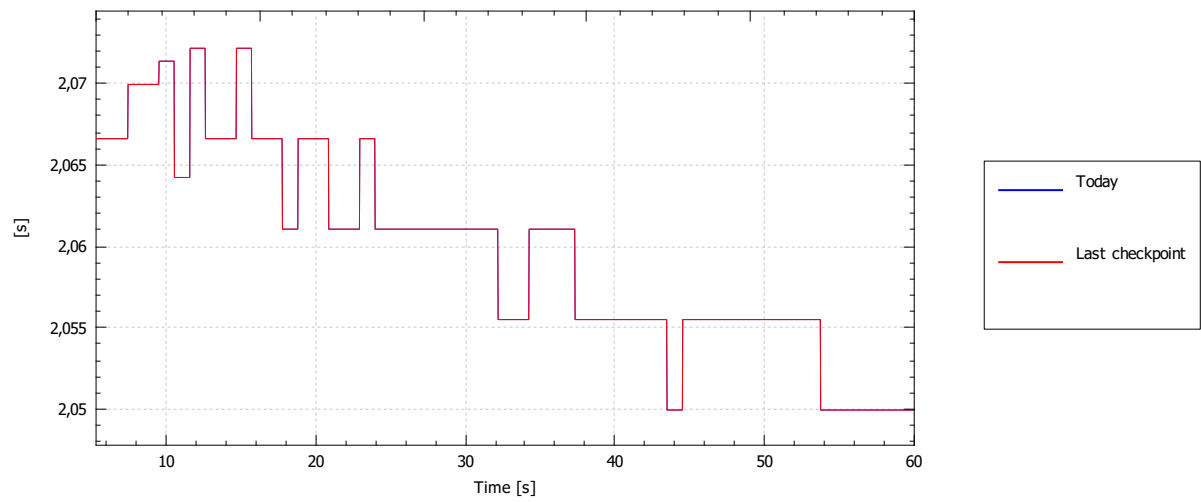
Rotational speed



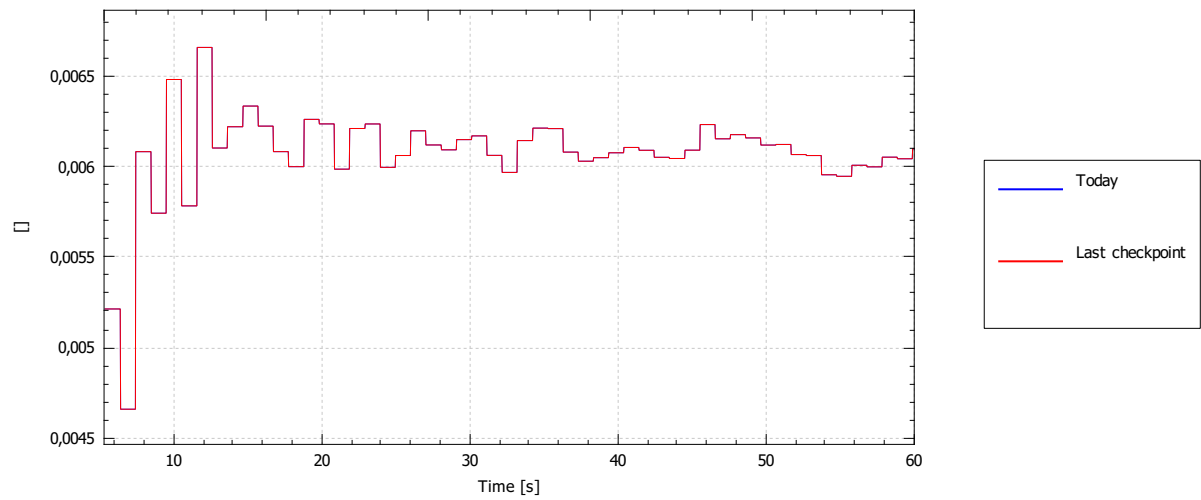
Rotational acceleration mag



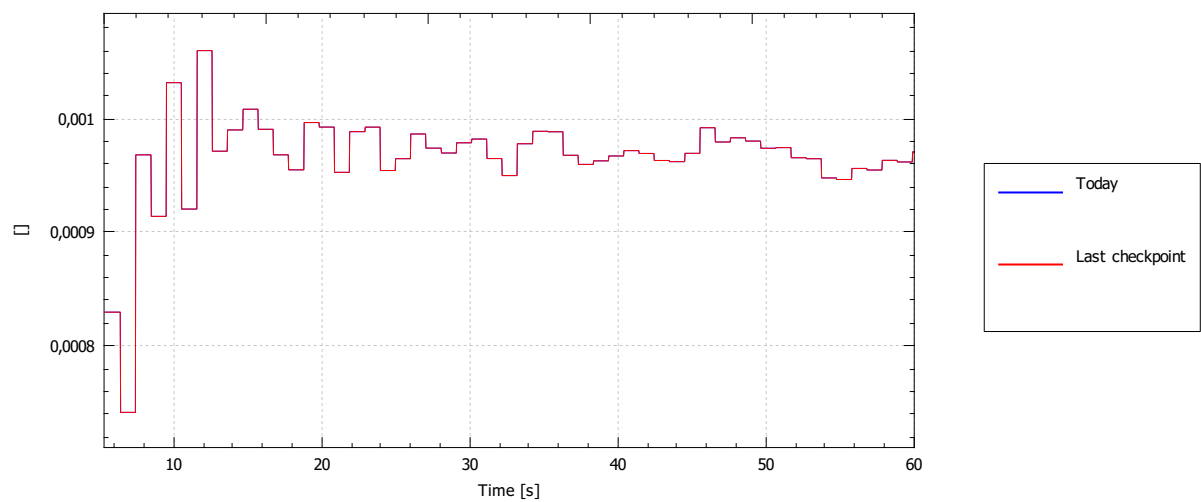
Displacement period



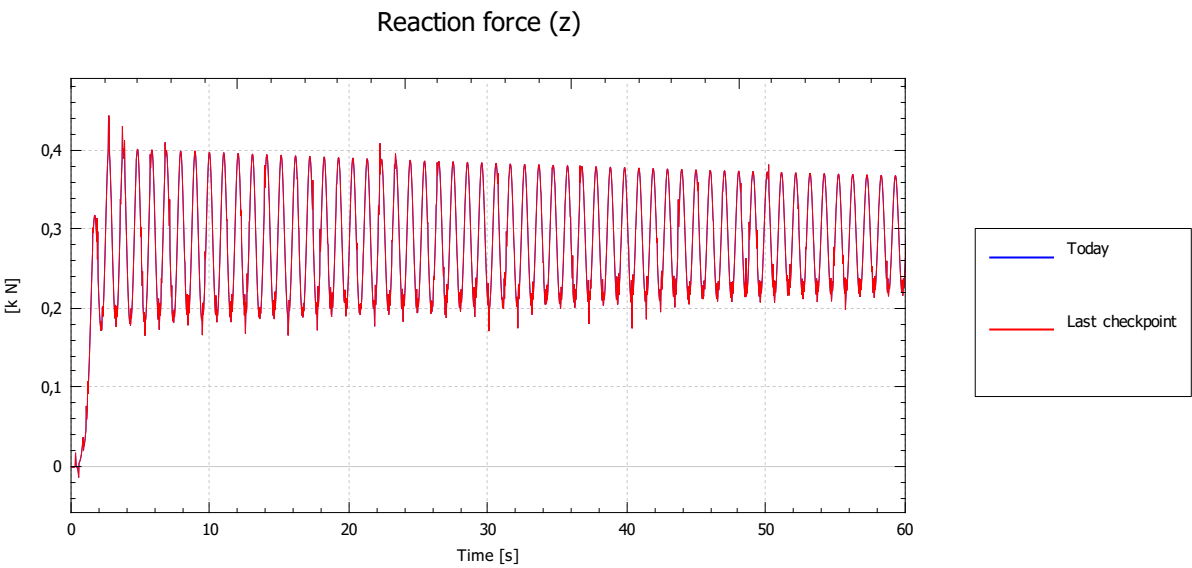
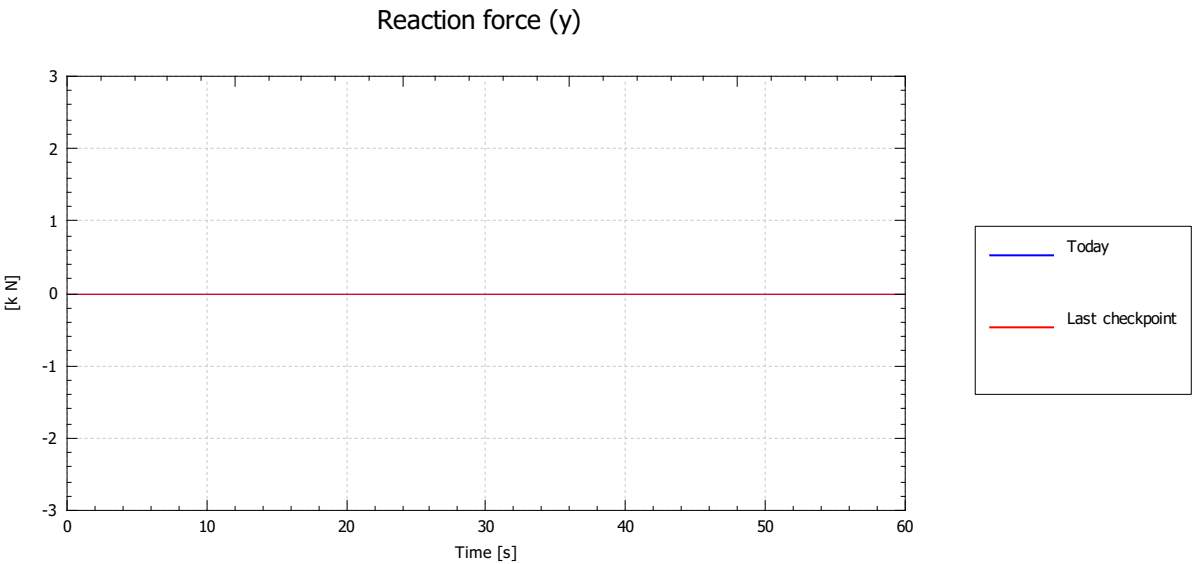
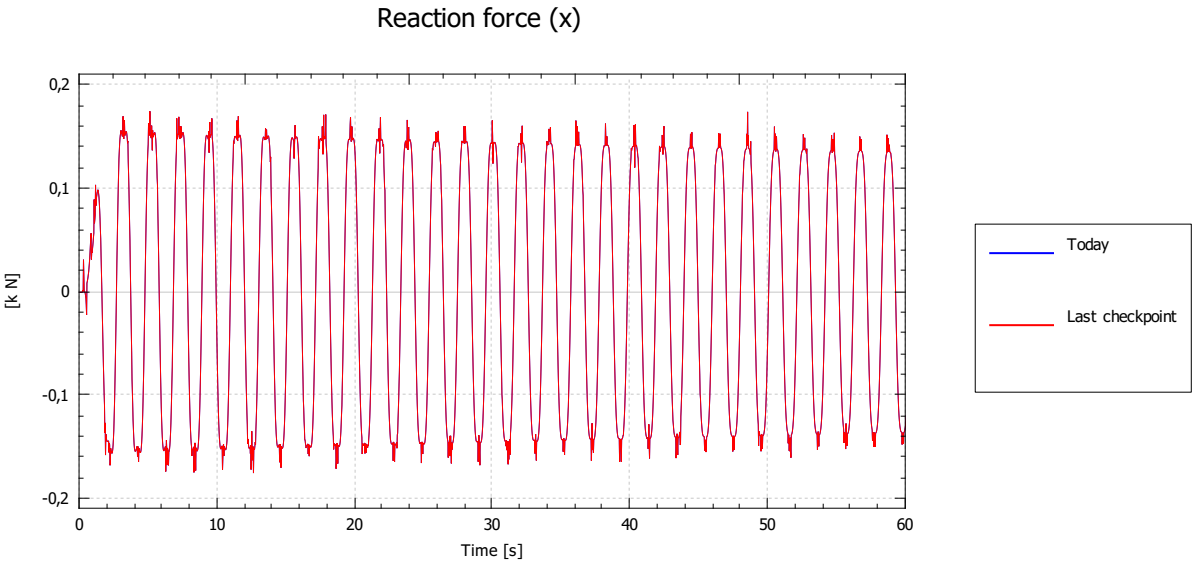
Displacement logarithmic decrement



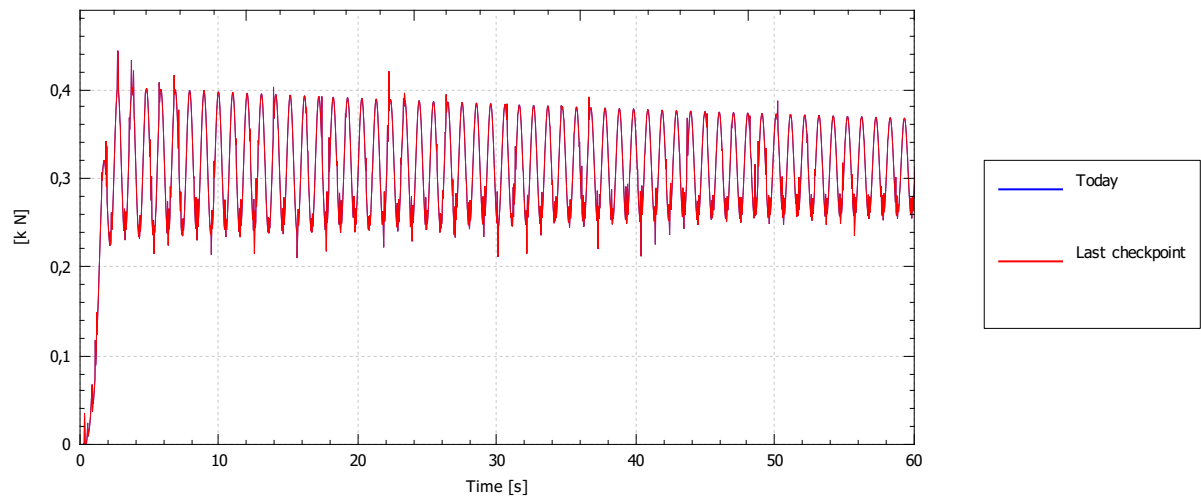
Displacement damping ratio



Support [Support 1 | Pendulum]

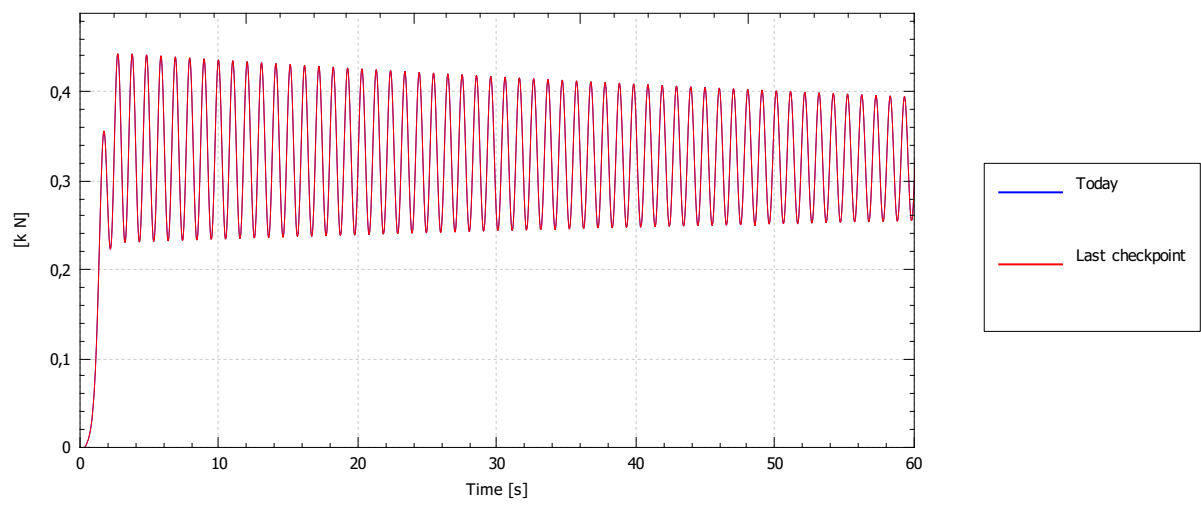


Reaction force (mag.)

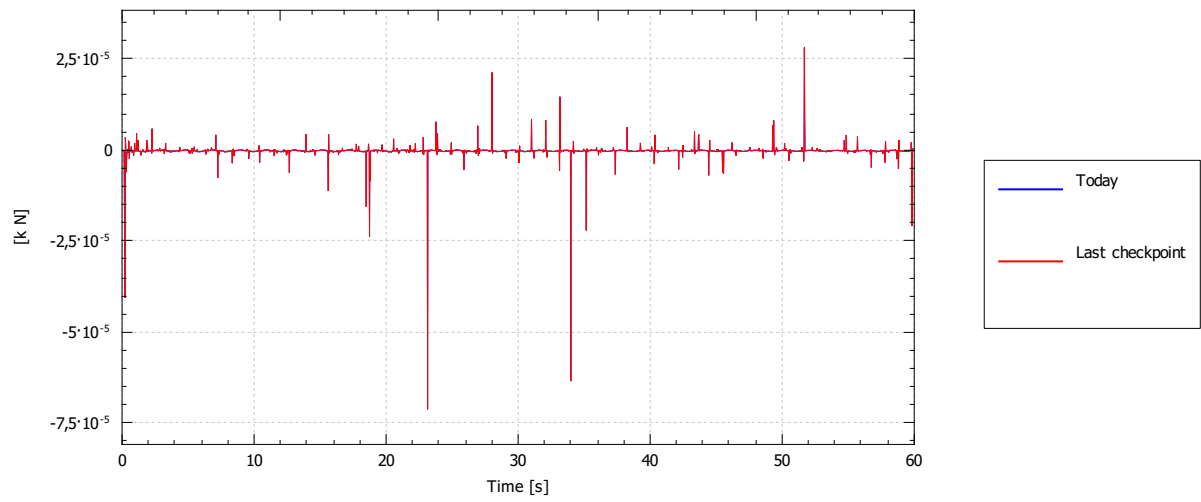


Beam element [Element 1 | Pendulum]

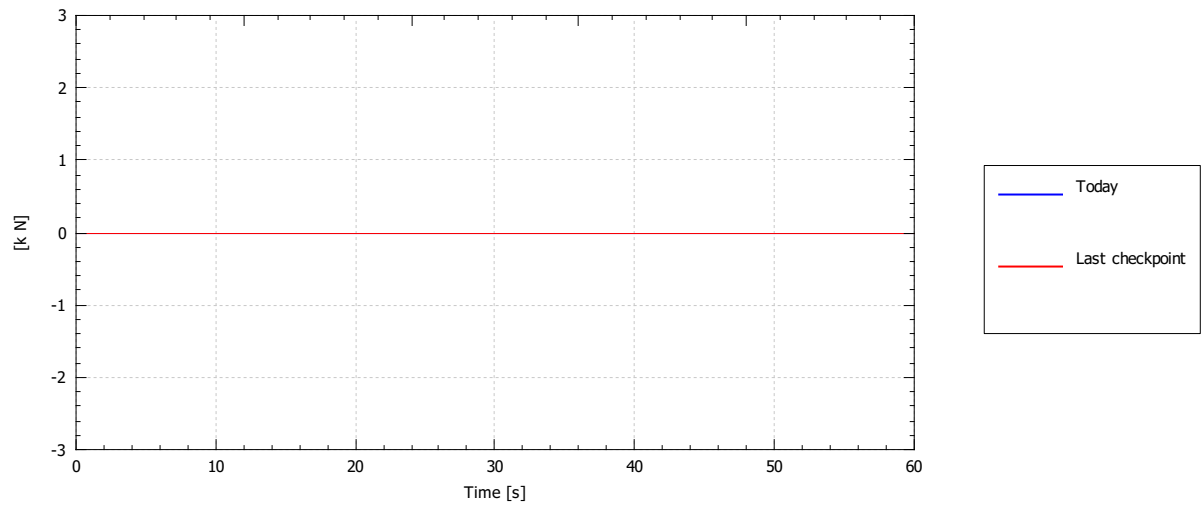
Axial force



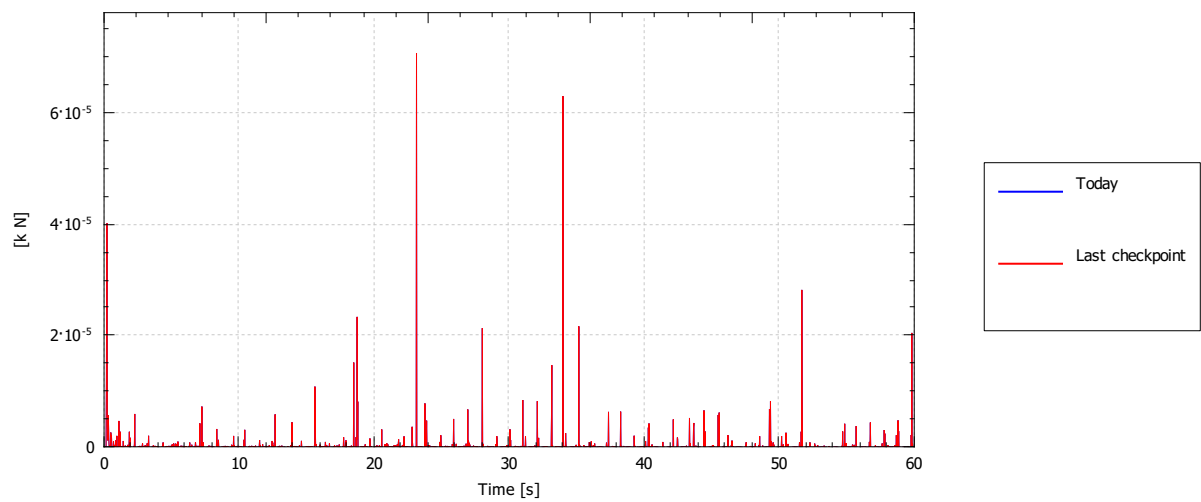
Shear force (1st prin. axis)



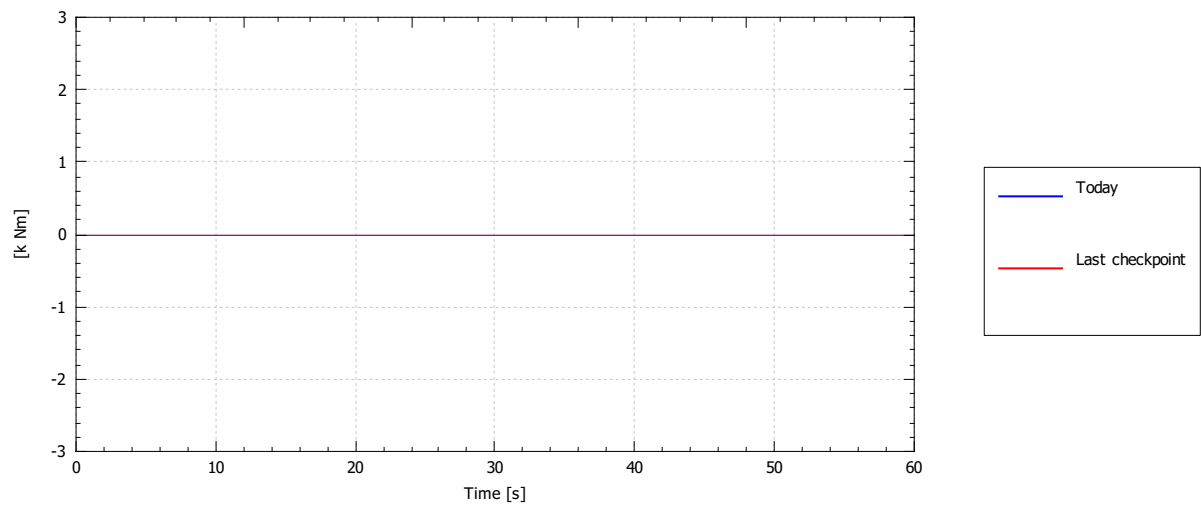
Shear force (2nd prin. axis)



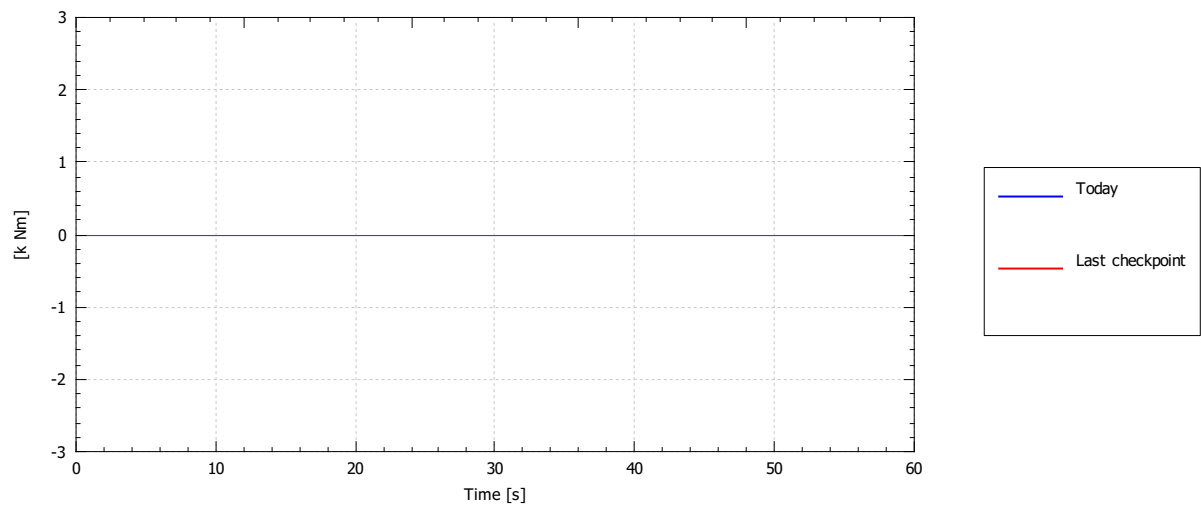
Shear force, mag.



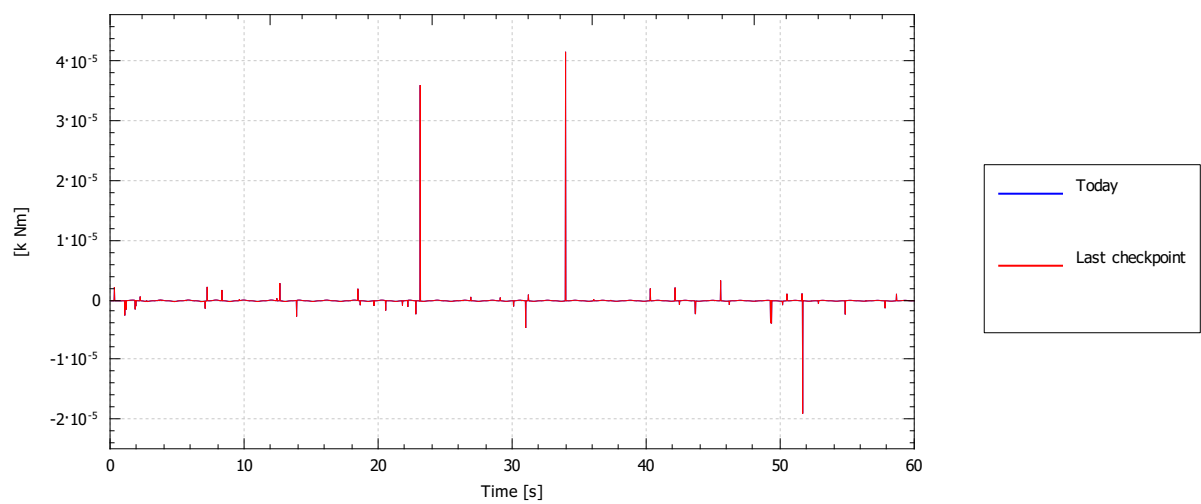
Torque

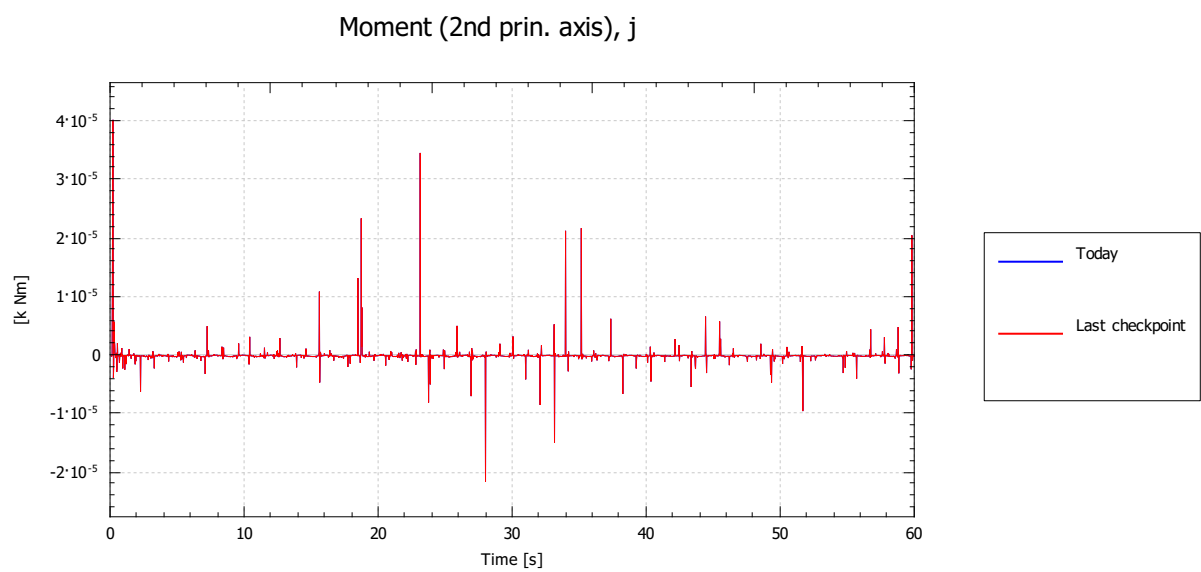
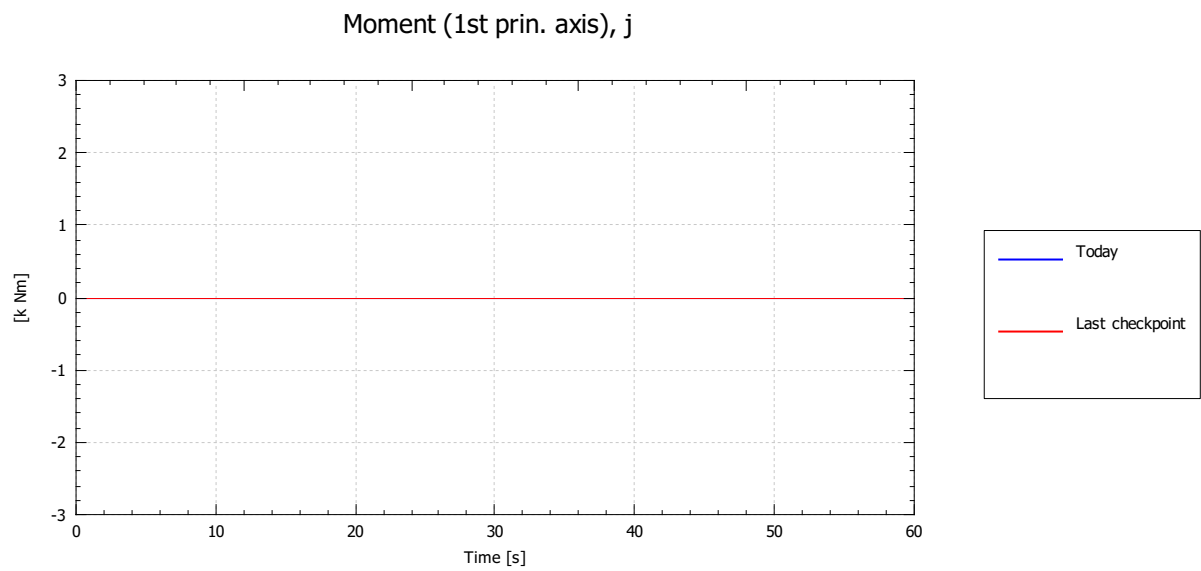
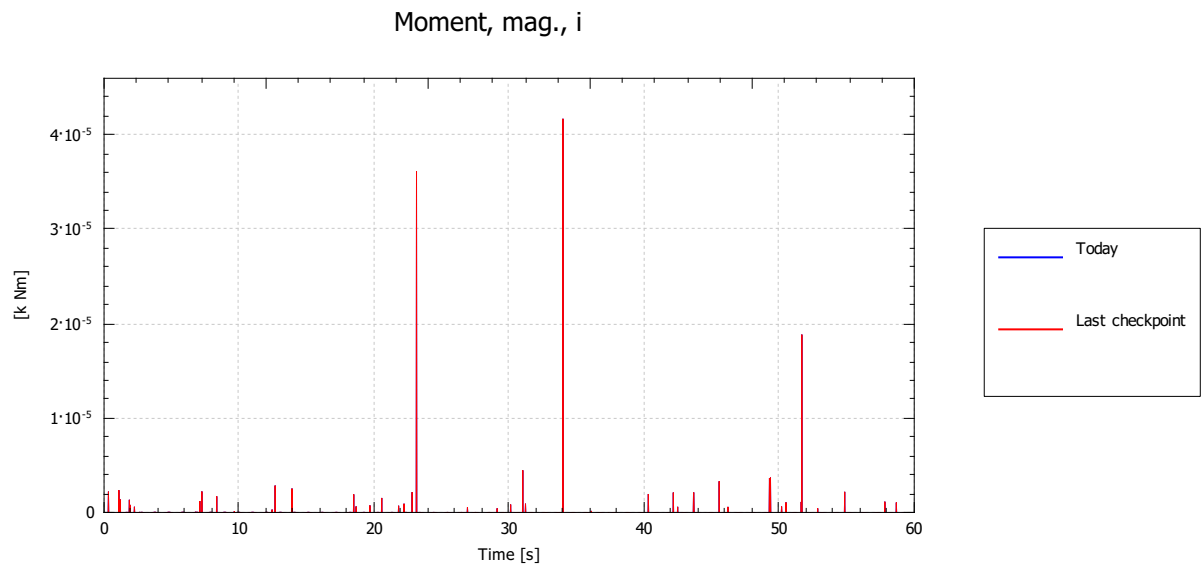


Moment (1st prin. axis), i

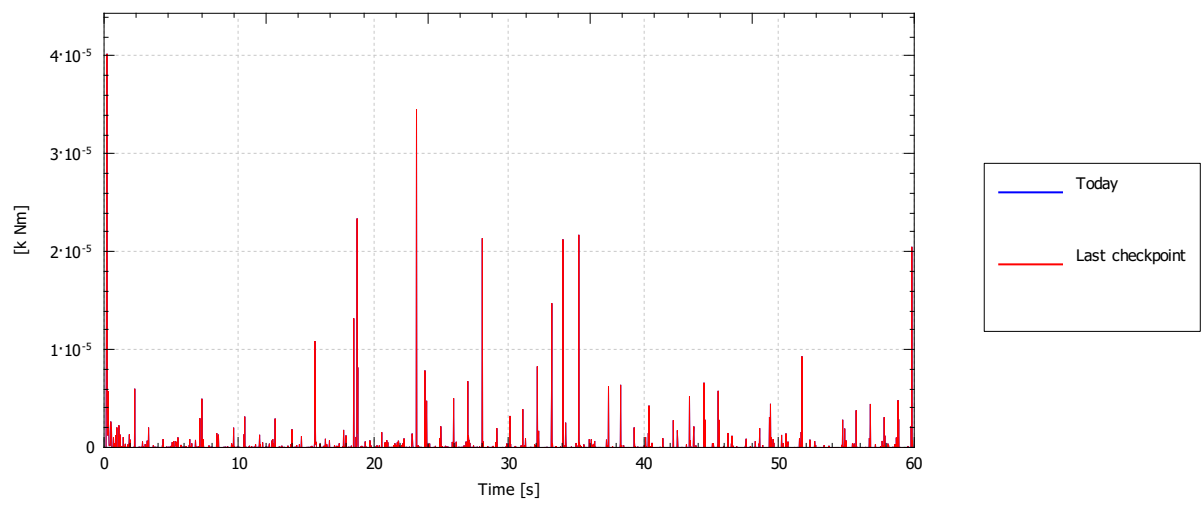


Moment (2nd prin. axis), i

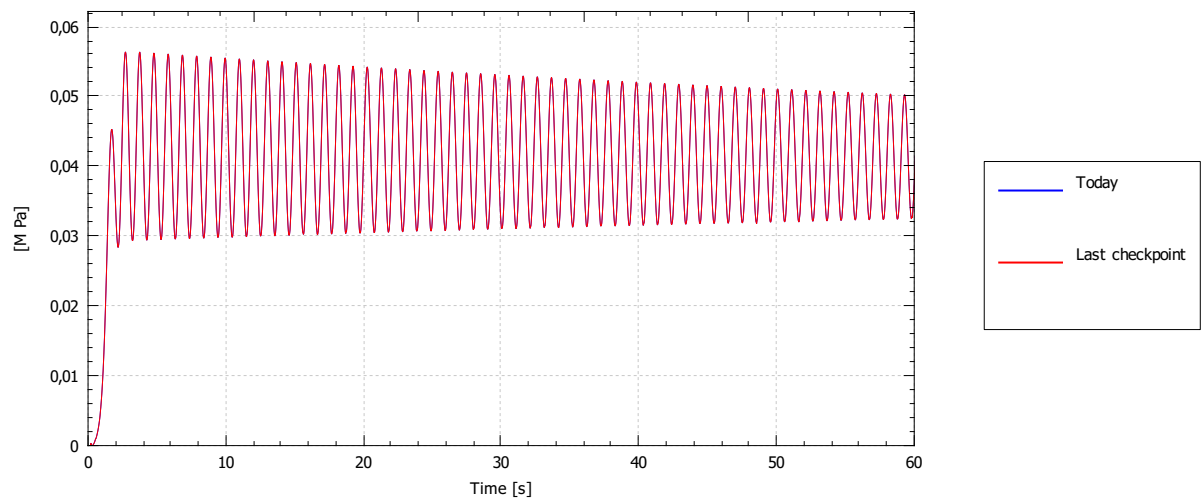




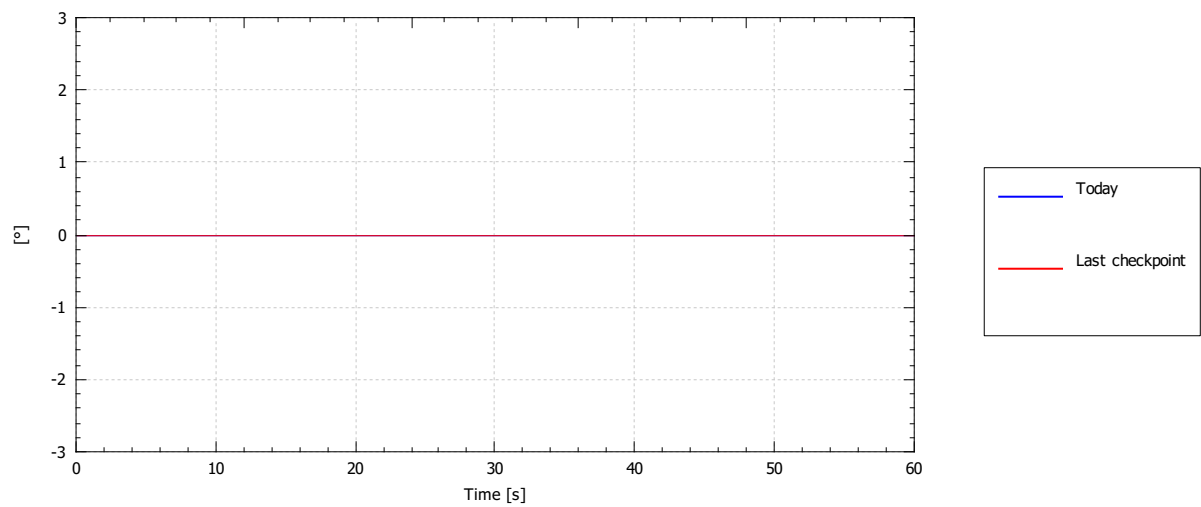
Moment, mag., j



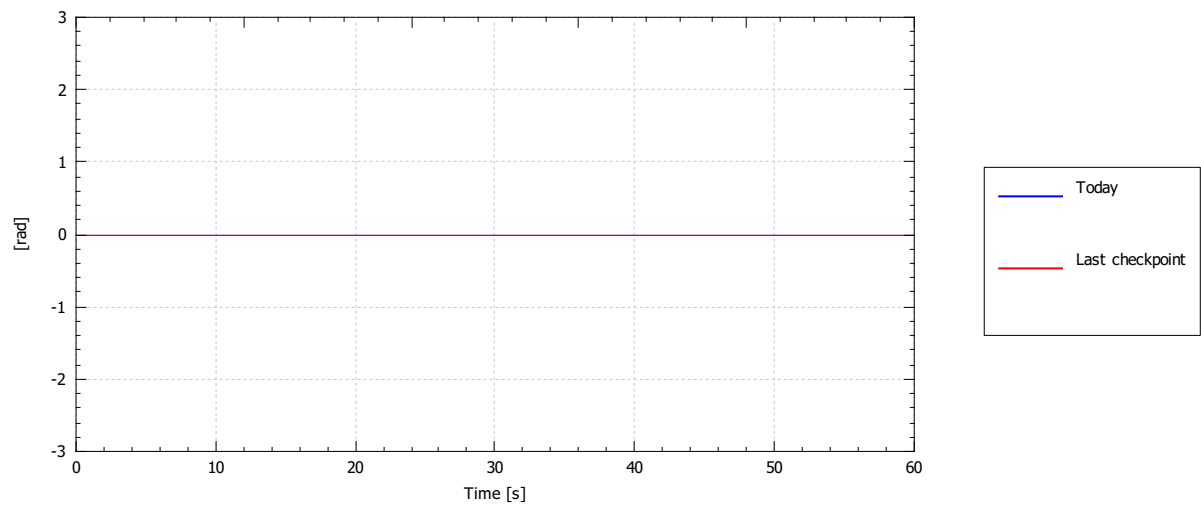
Max normal stress



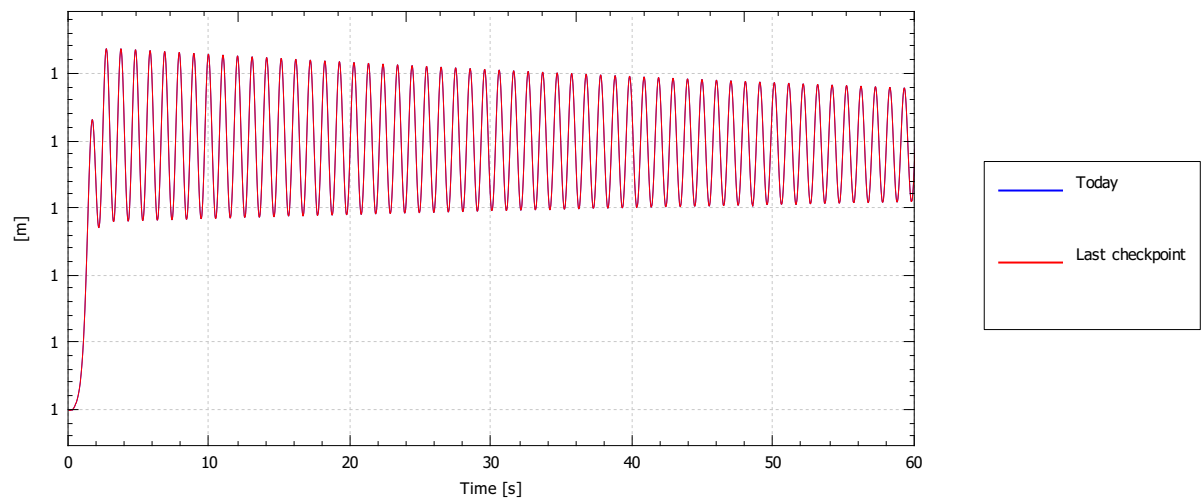
Twist (structural)



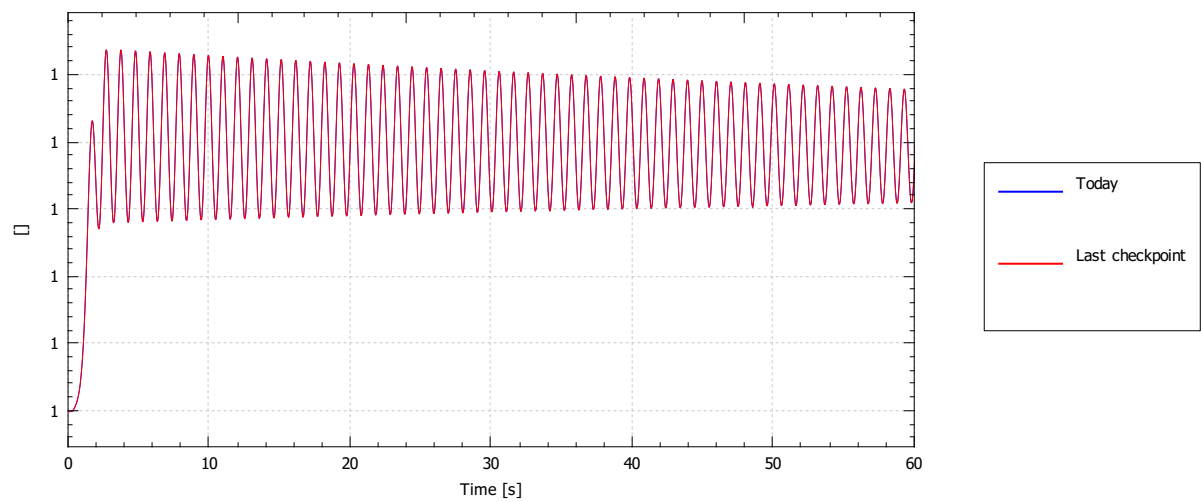
Twist (structural) - rad



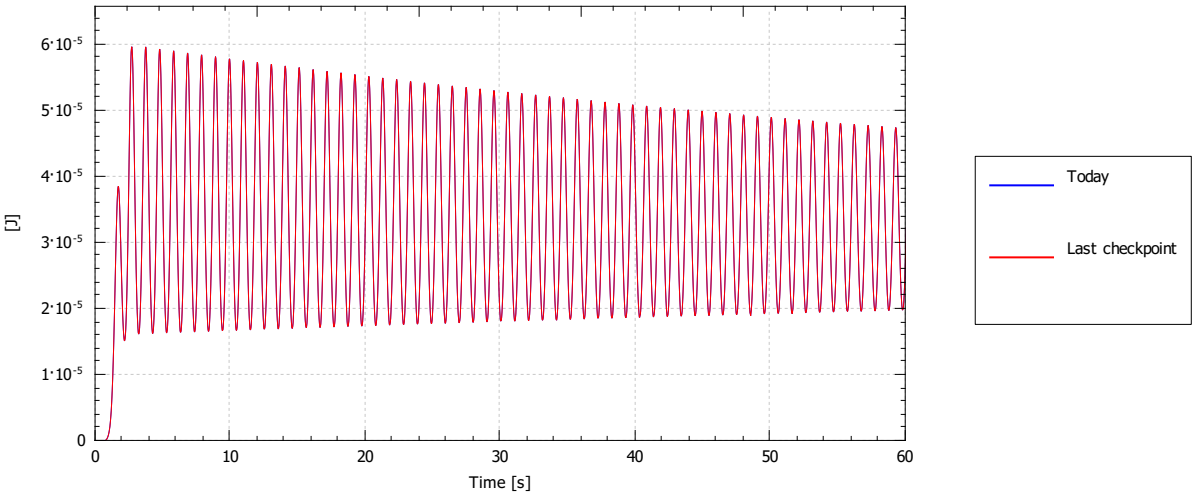
Deformed length



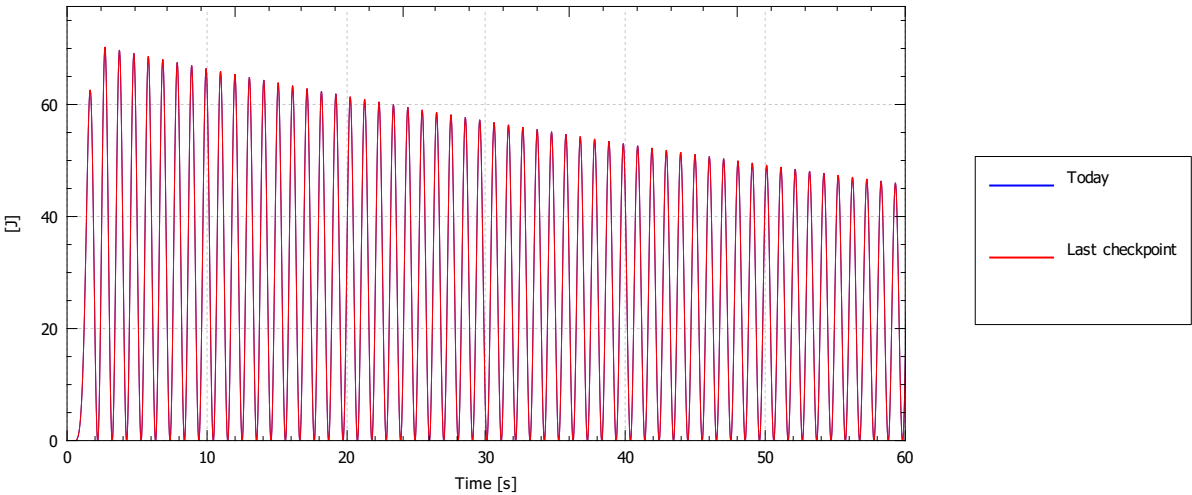
Elongation



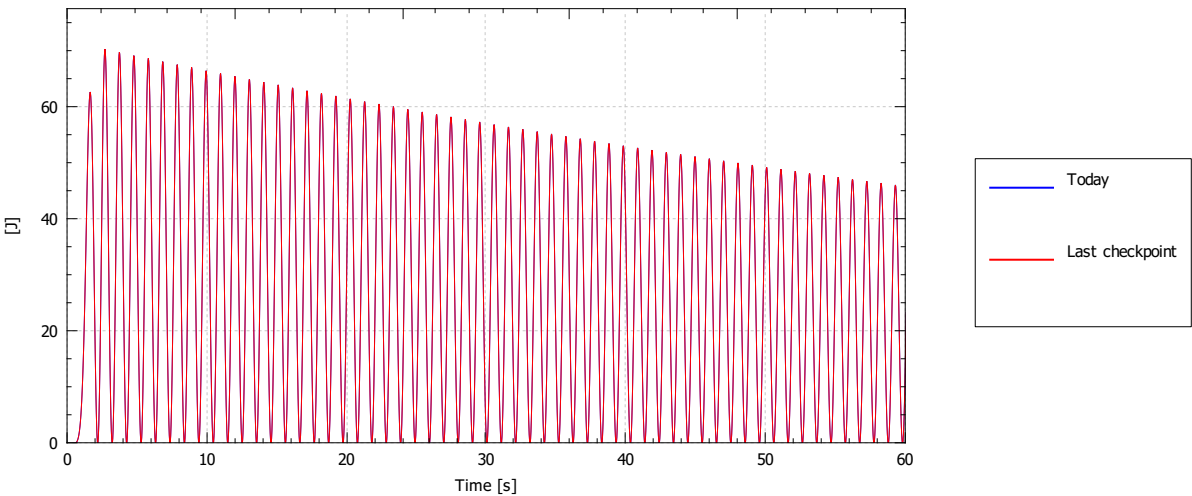
Strain energy



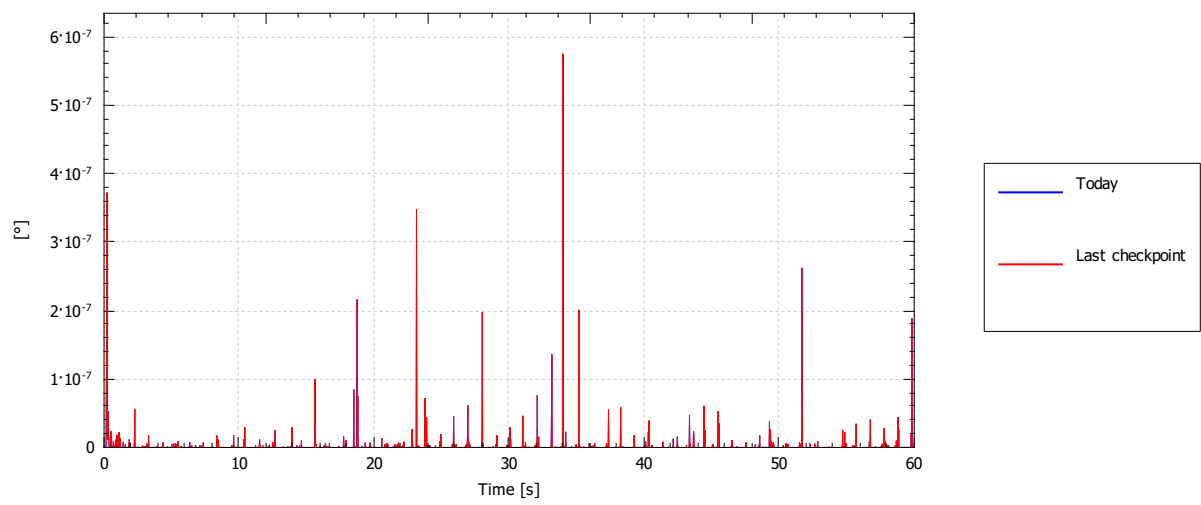
Kinetic energy



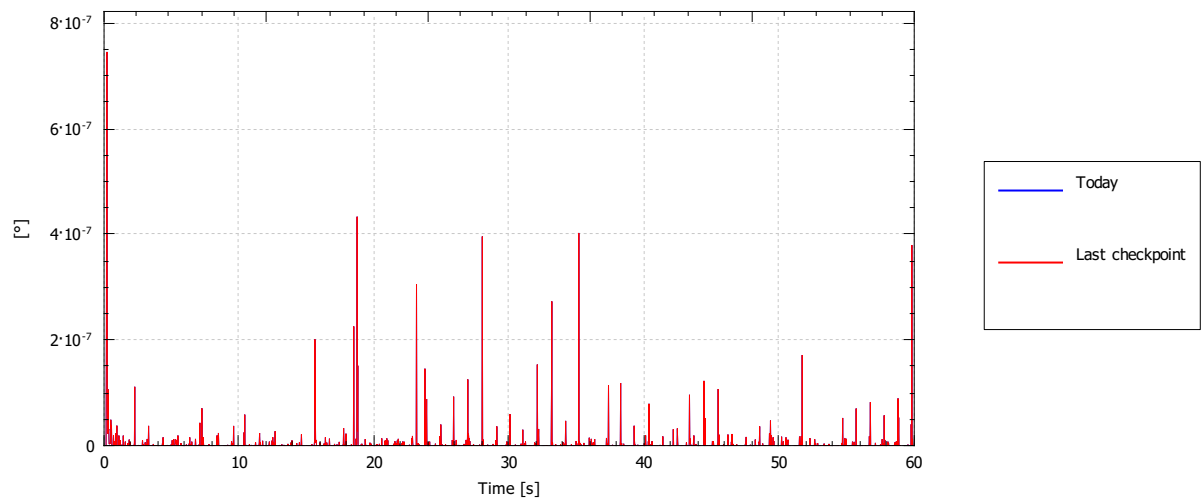
Mechanical energy



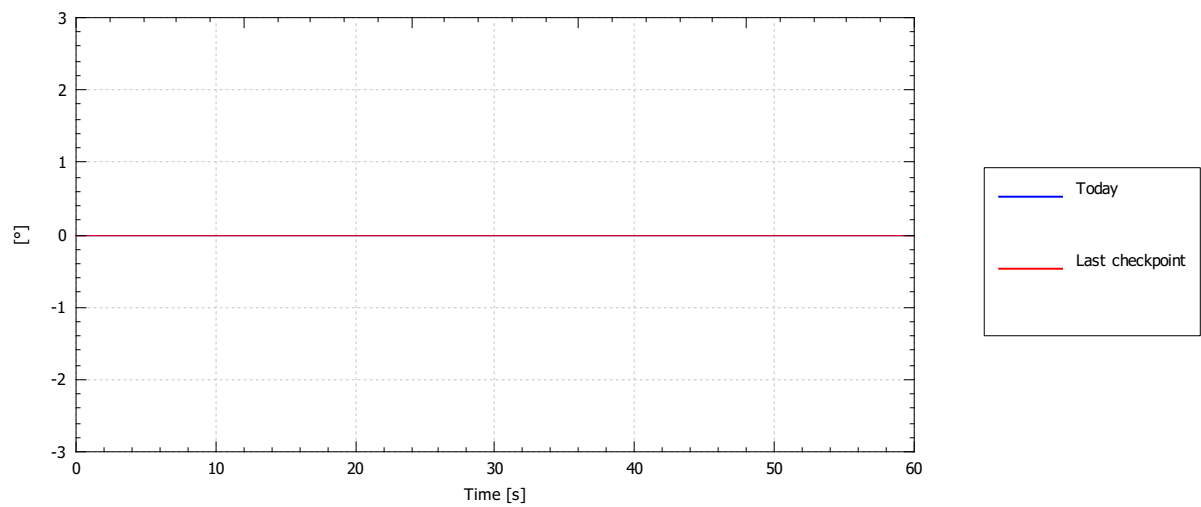
Deformational rotation (i)



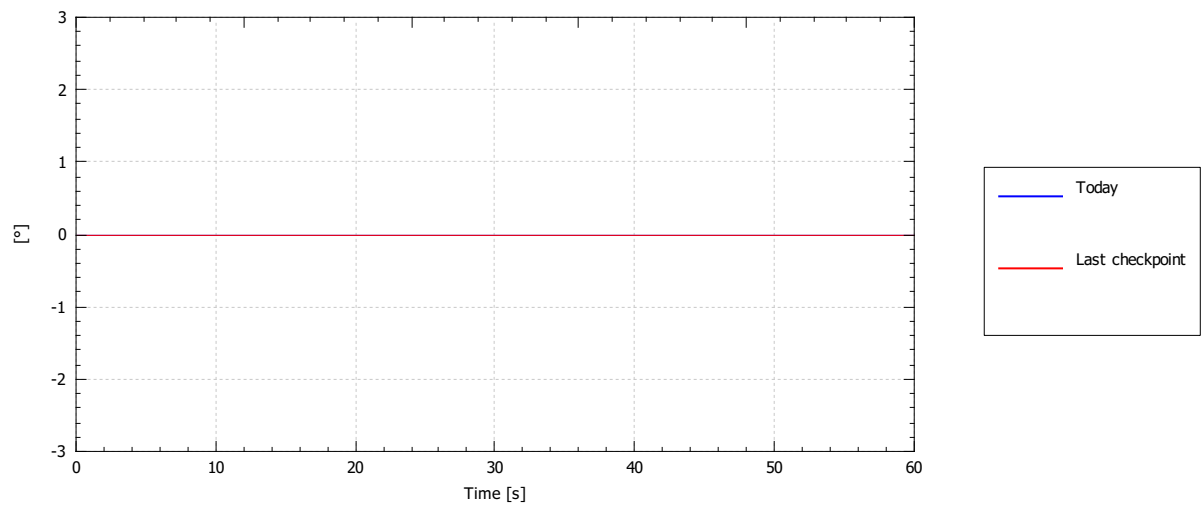
Deformational rotation (j)



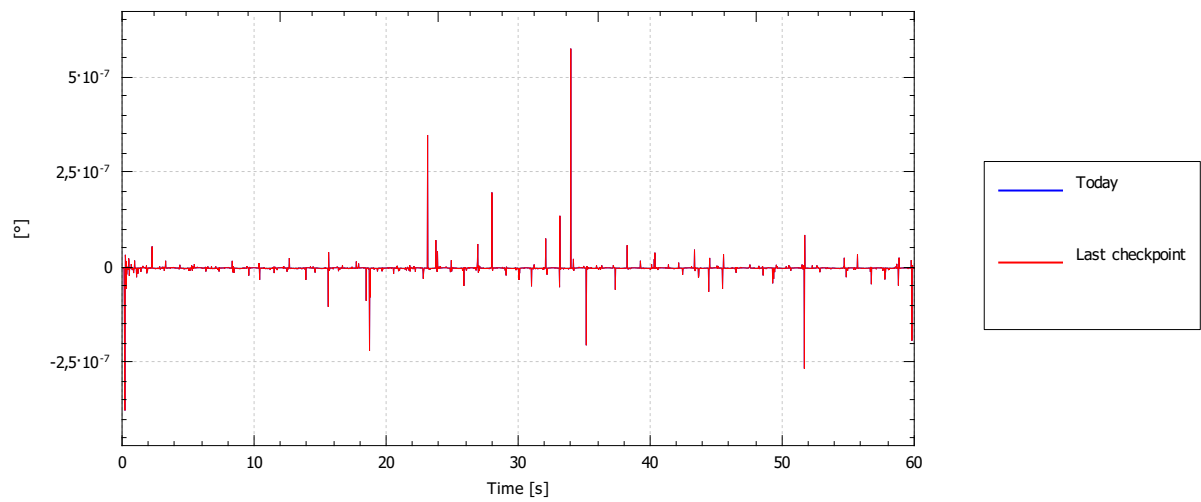
Deformational rotation (axial)



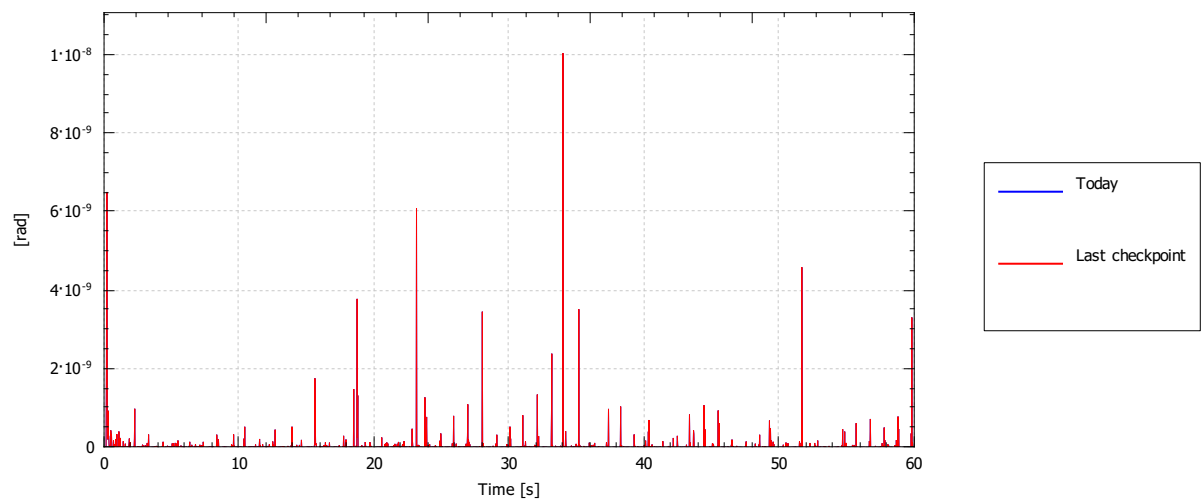
Deformational rotation (1st prin.)



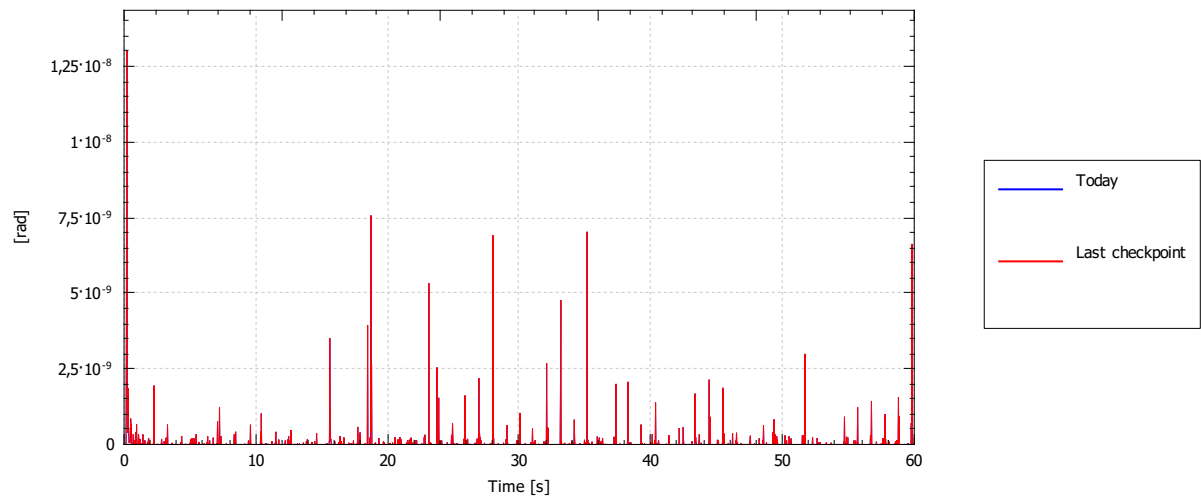
Deformational rotation (2nd prin.)



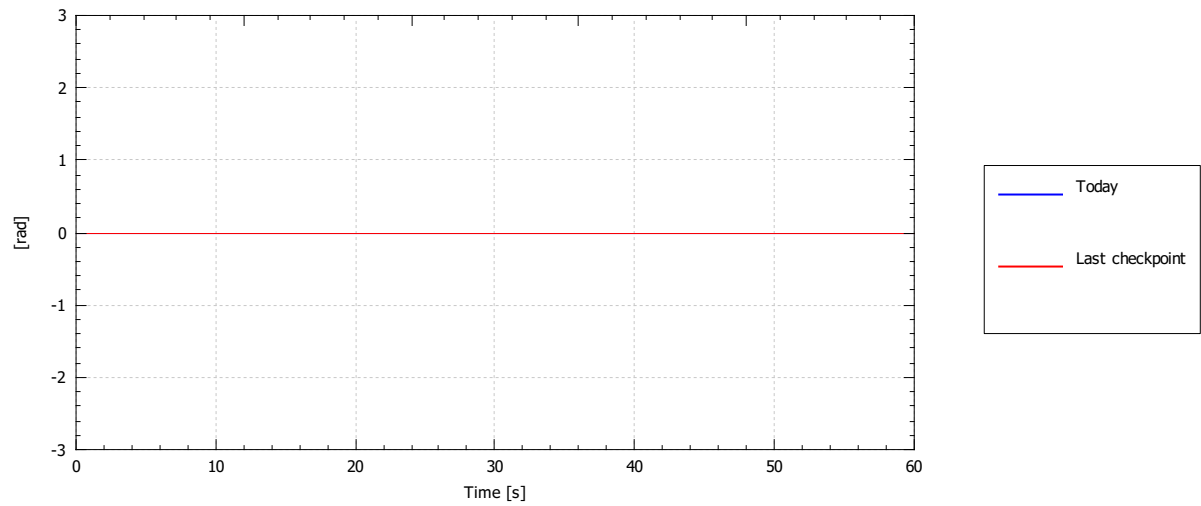
Deformational rotation (i) - rad



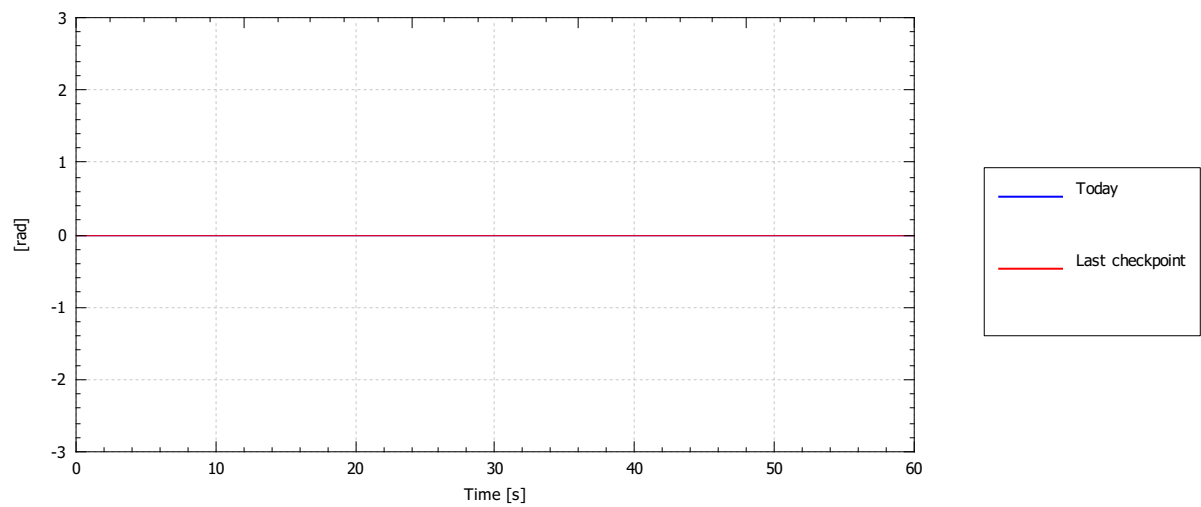
Deformational rotation (j) - rad



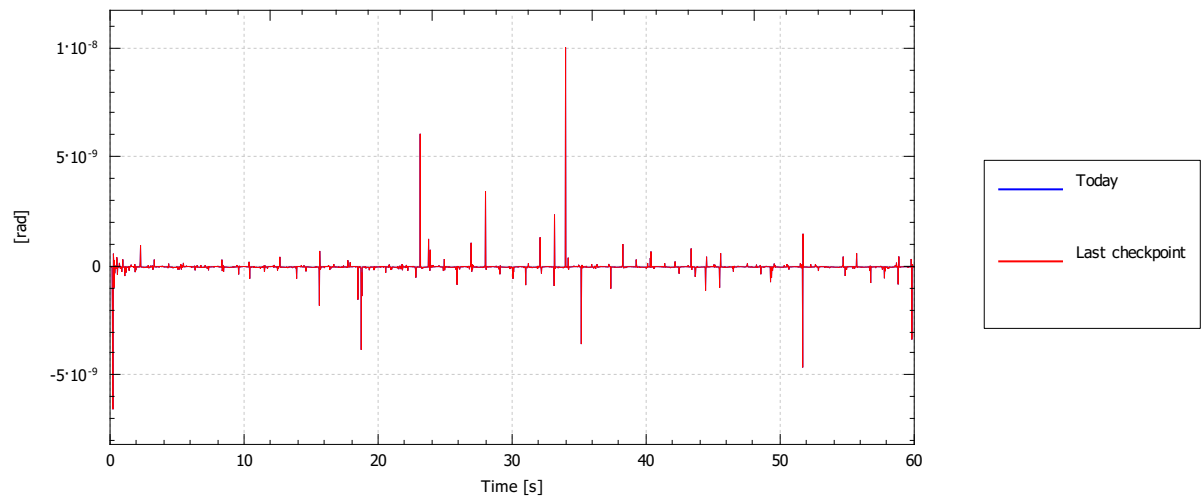
Deformational rotation (axial) - rad



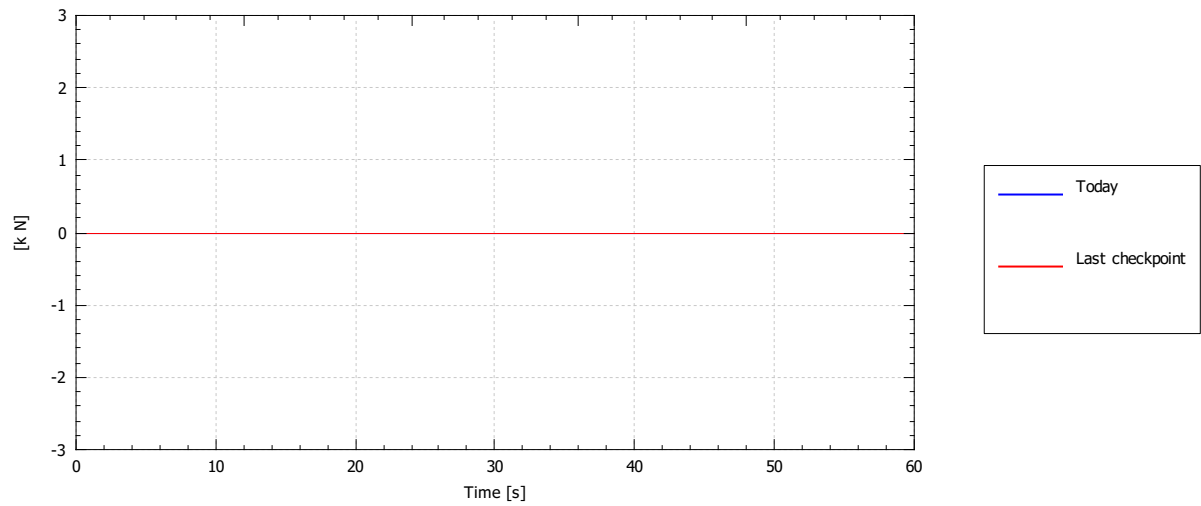
Deformational rotation (1st prin.) - rad



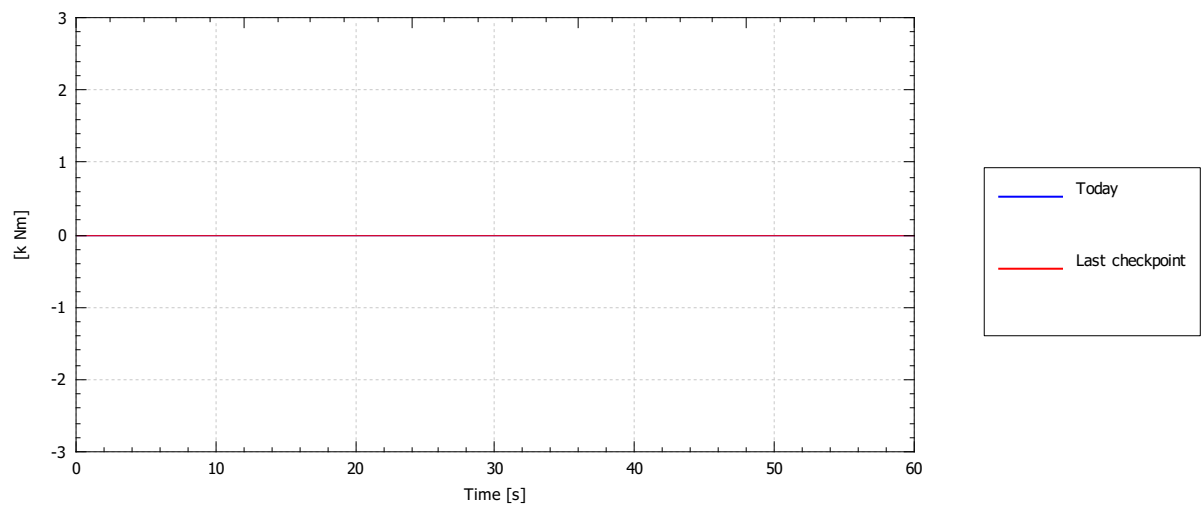
Deformational rotation (2nd prin.) - rad

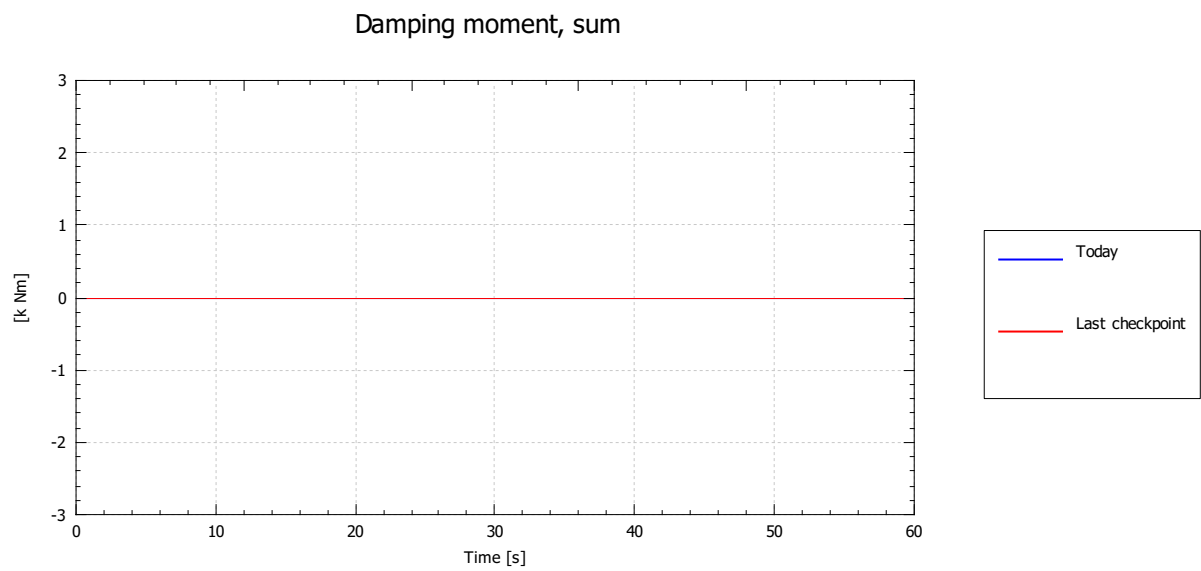
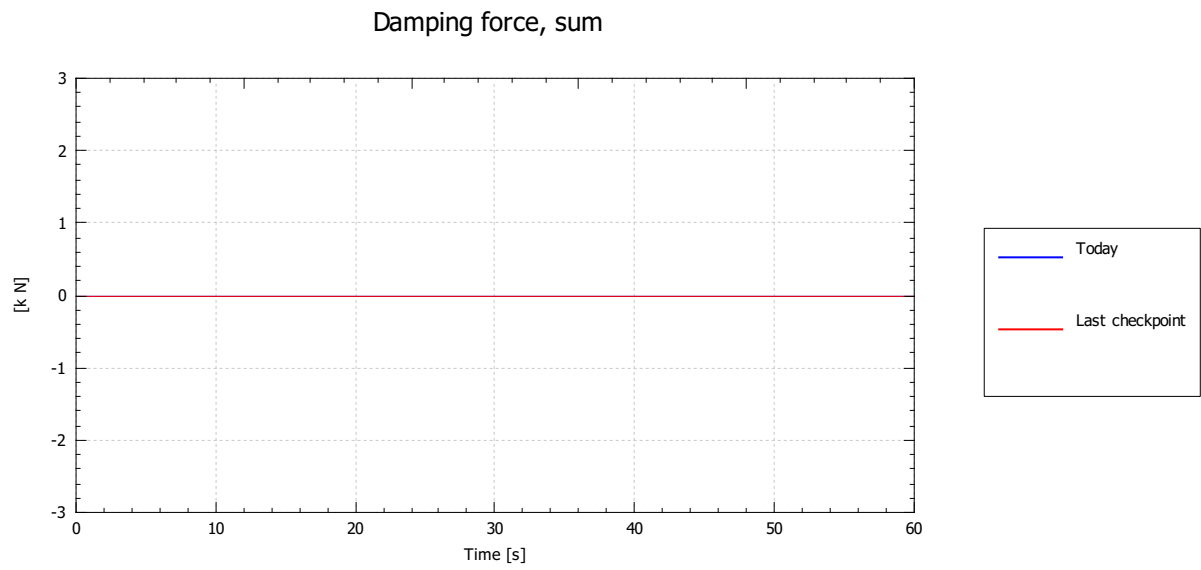


Damping force, i



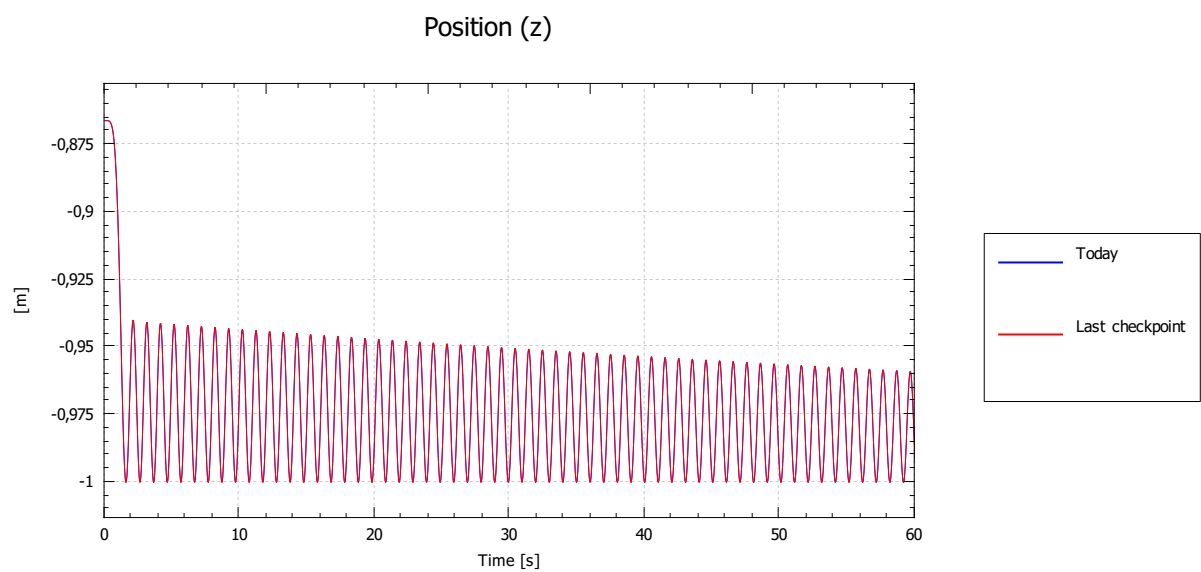
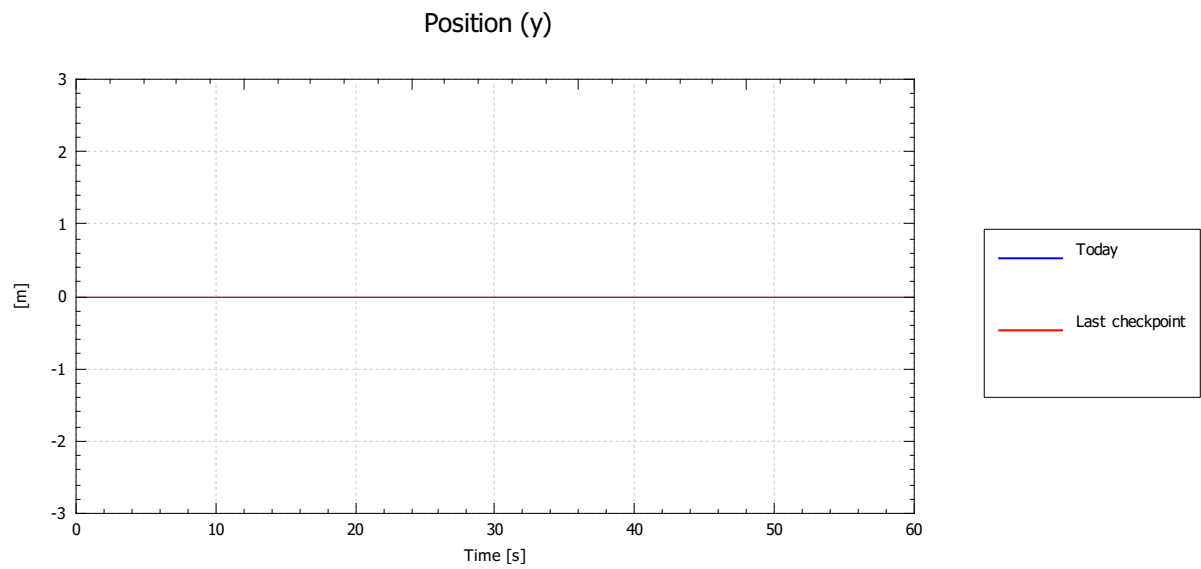
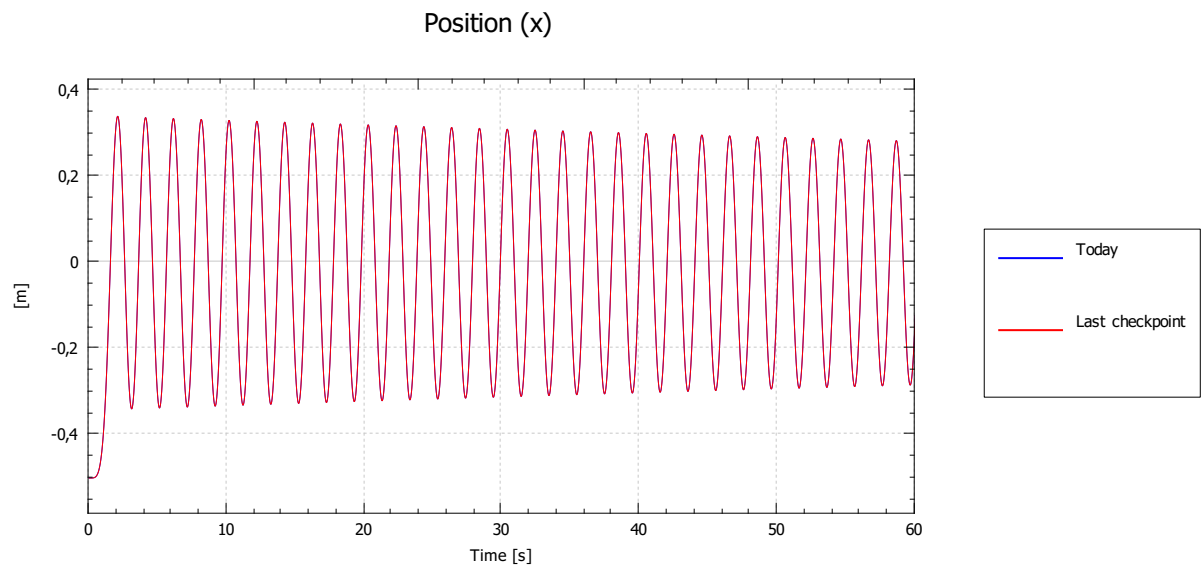
Damping moment, i

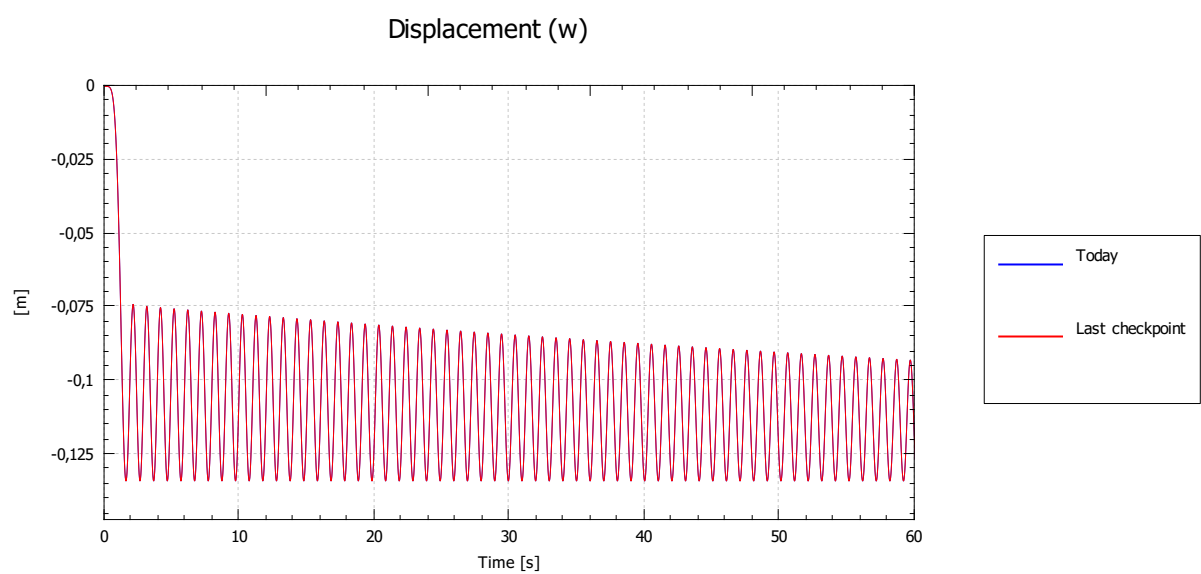
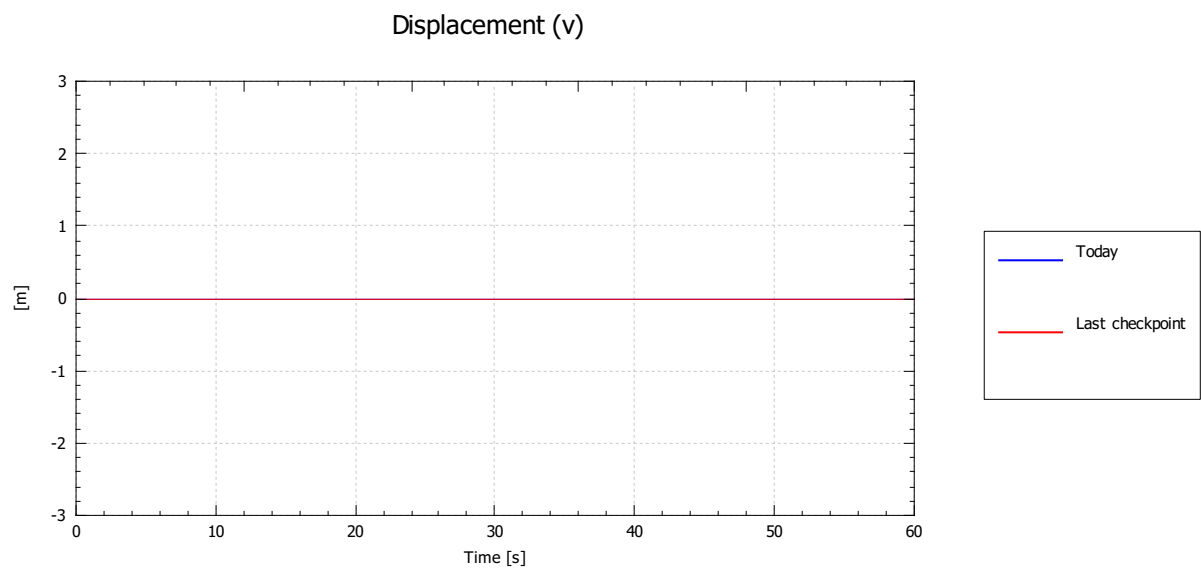
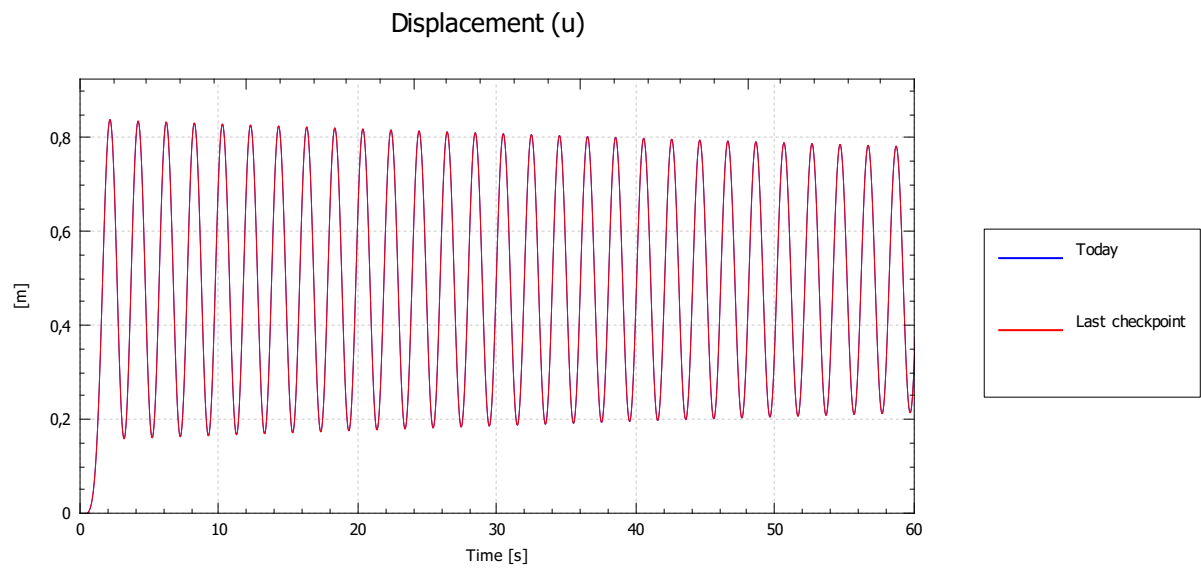




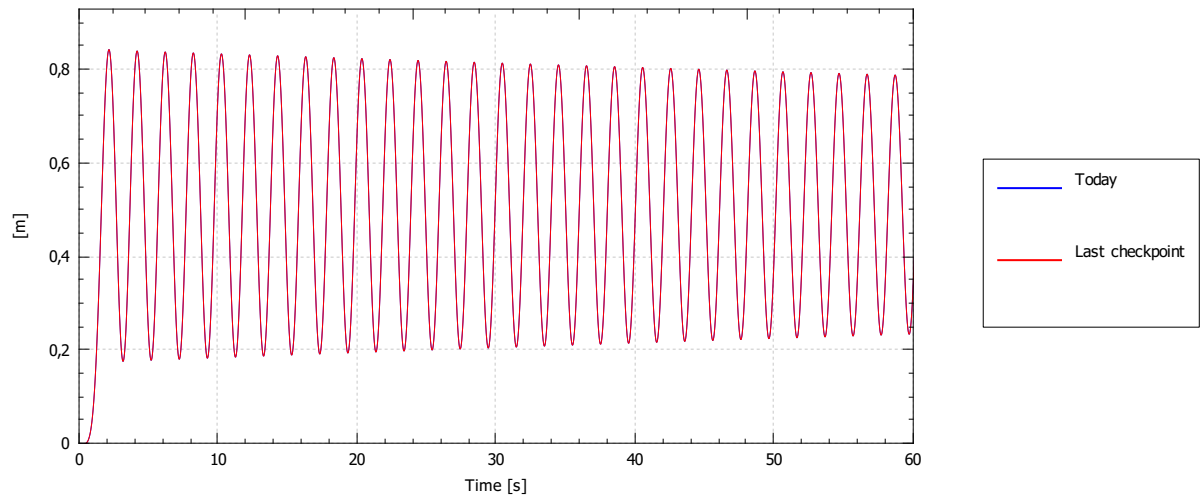
Load case: Free motion damped 30 deg

Node [Node 2 | Pendulum]

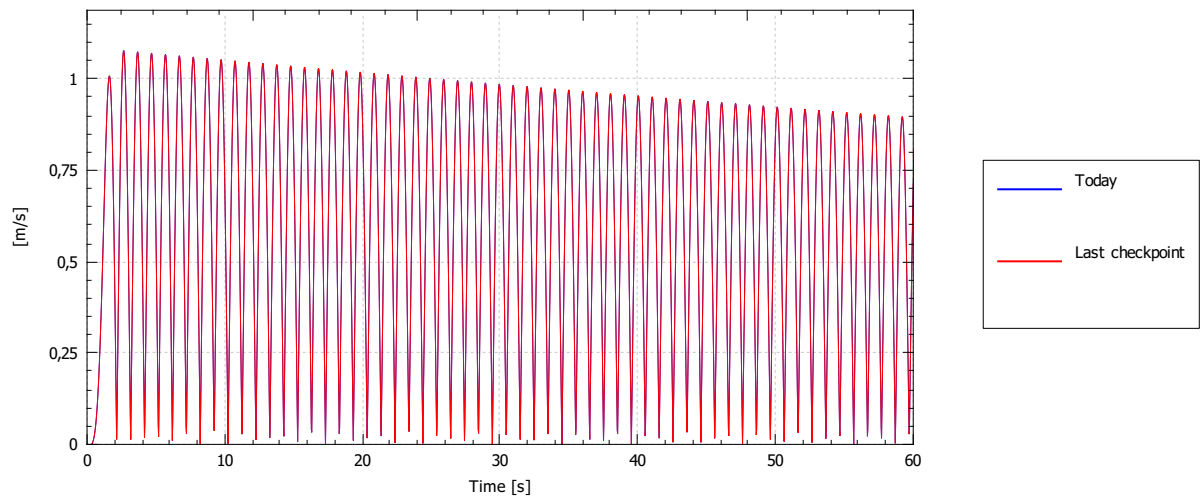




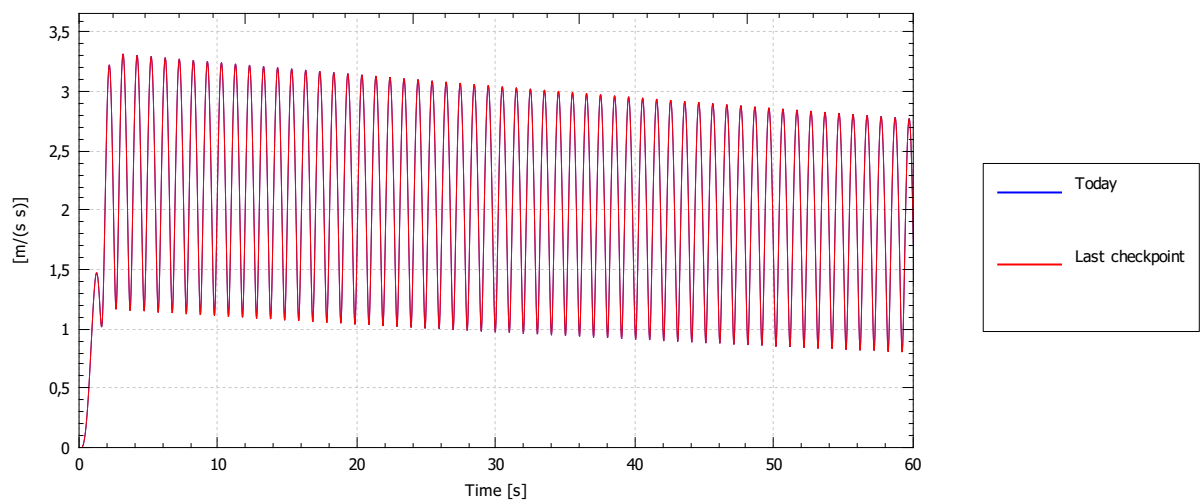
Displacement magnitude



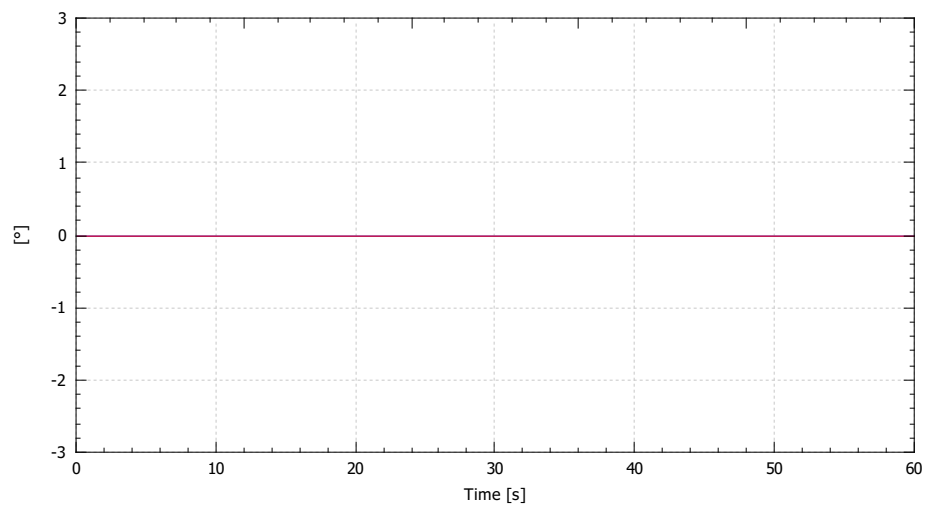
Speed



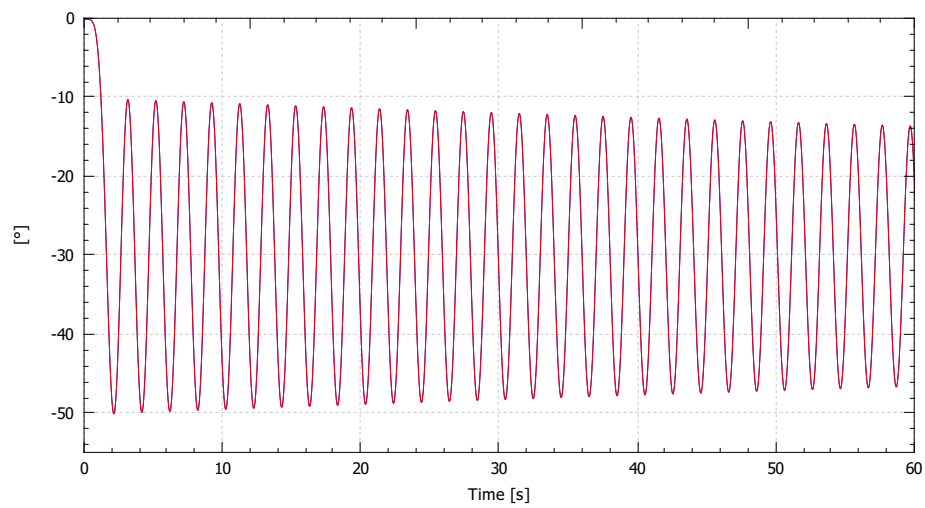
Acceleration, magnitude



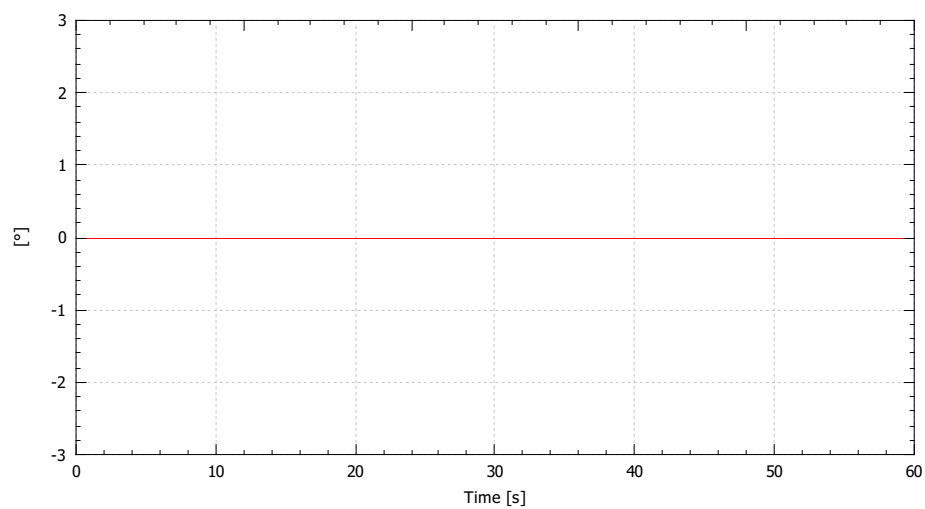
Rotational displacement (ru)



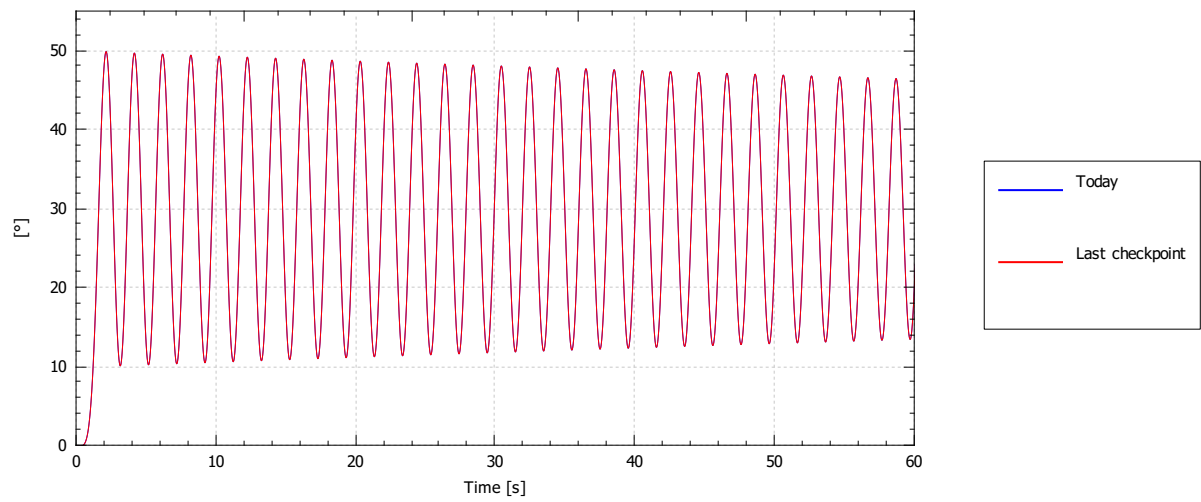
Rotational displacement (rv)



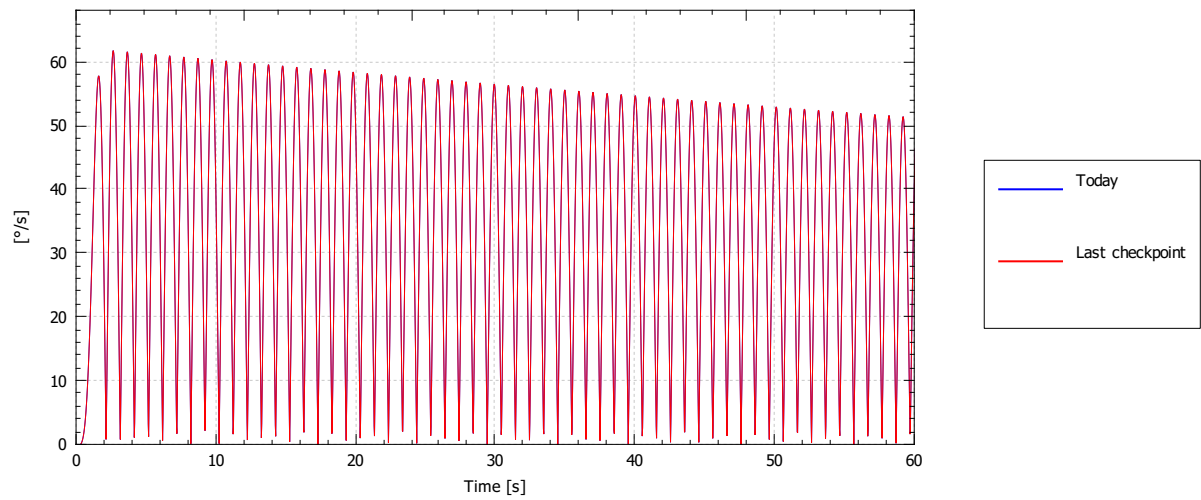
Rotational displacement (rw)



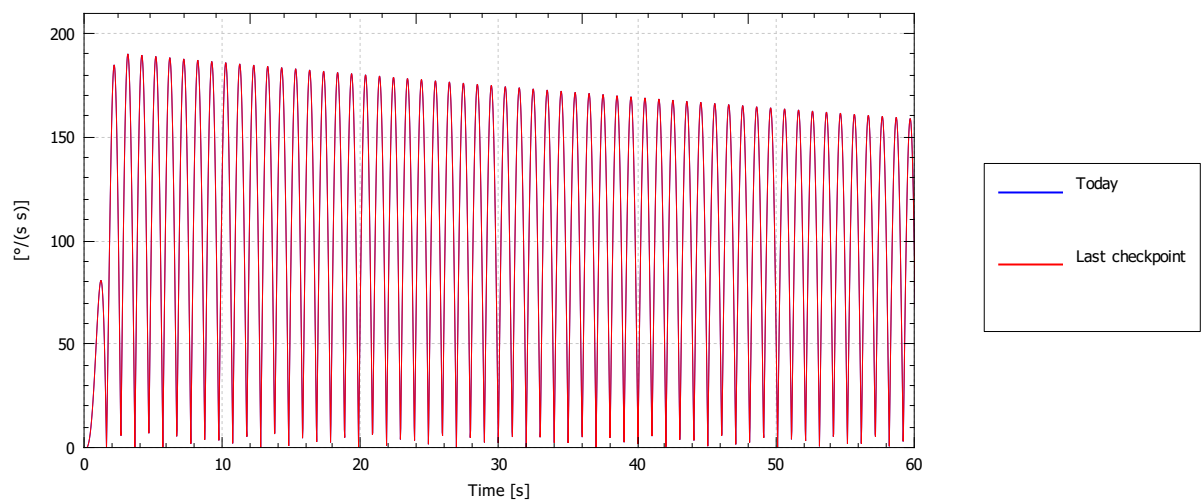
Rotational displacement magnitude



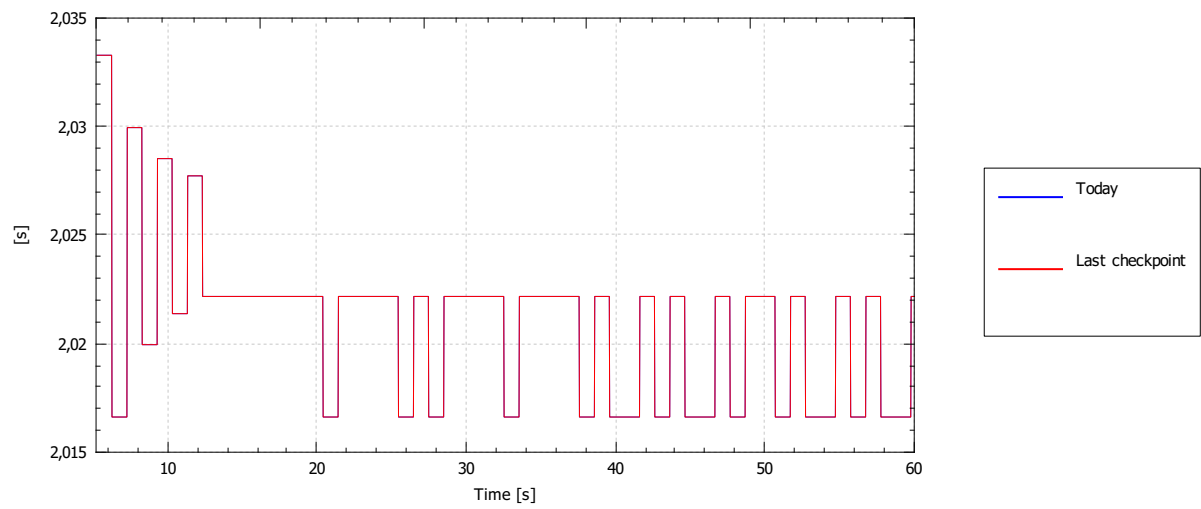
Rotational speed



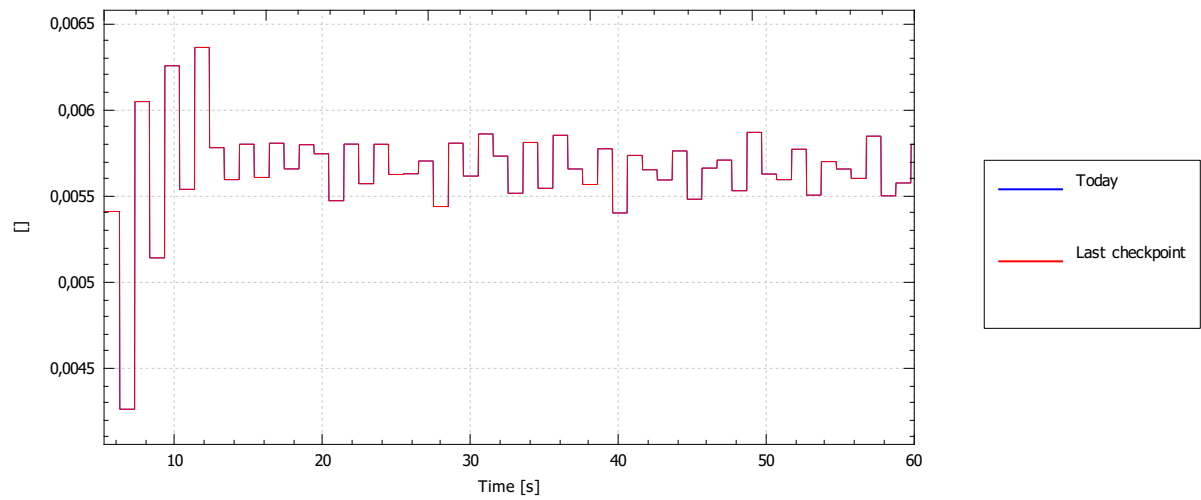
Rotational acceleration mag



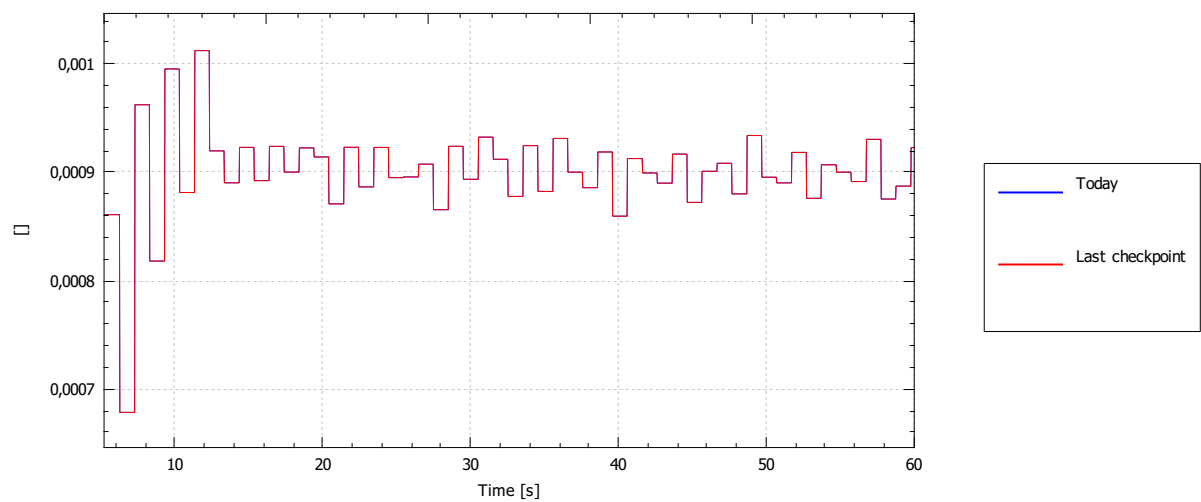
Displacement period



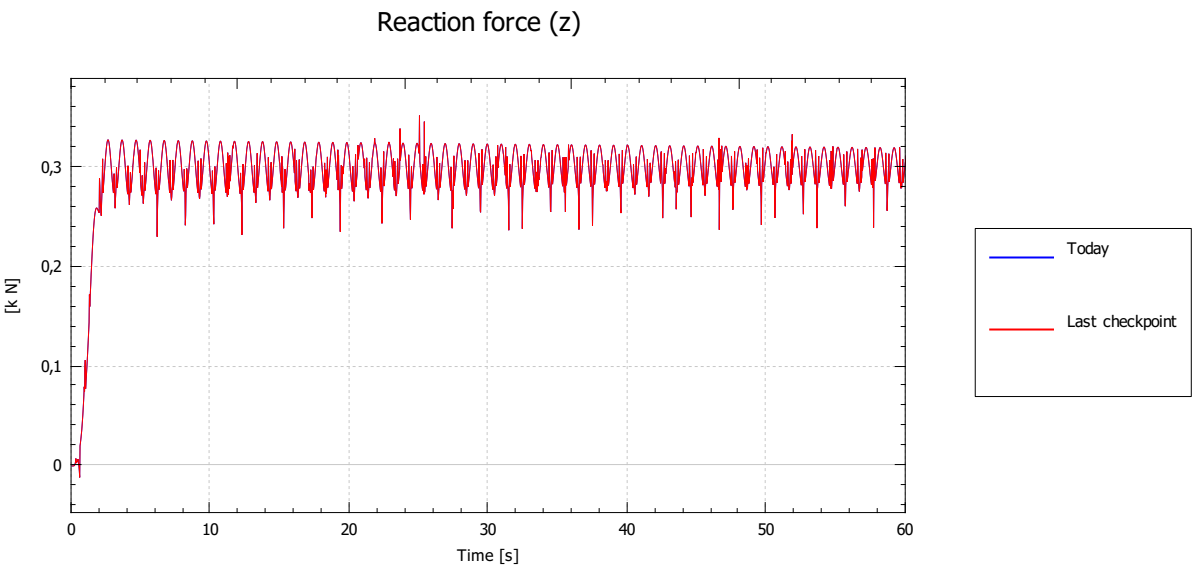
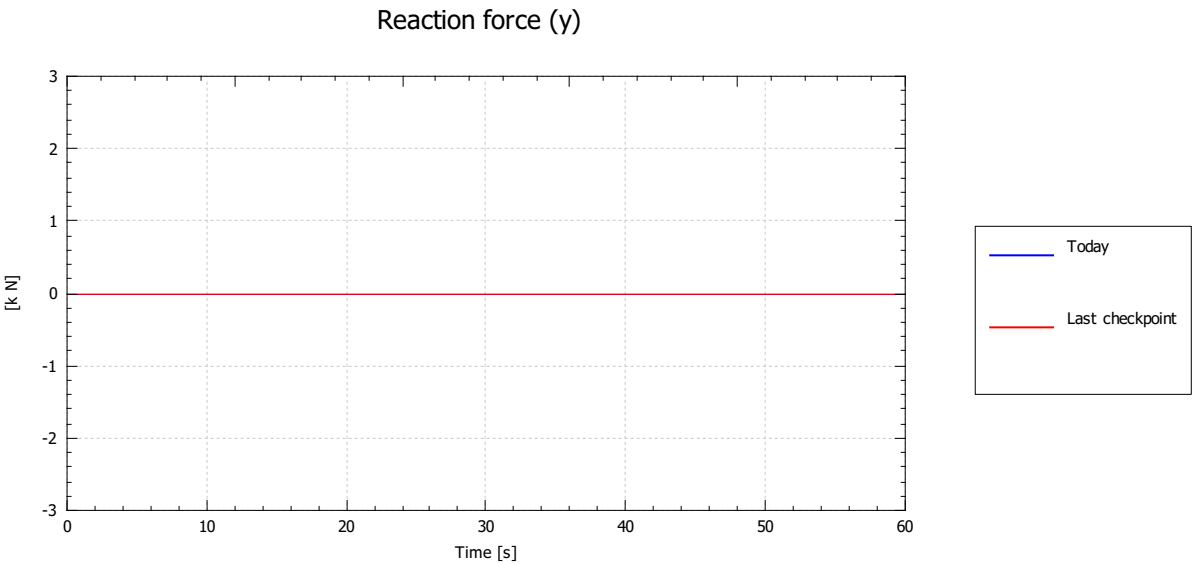
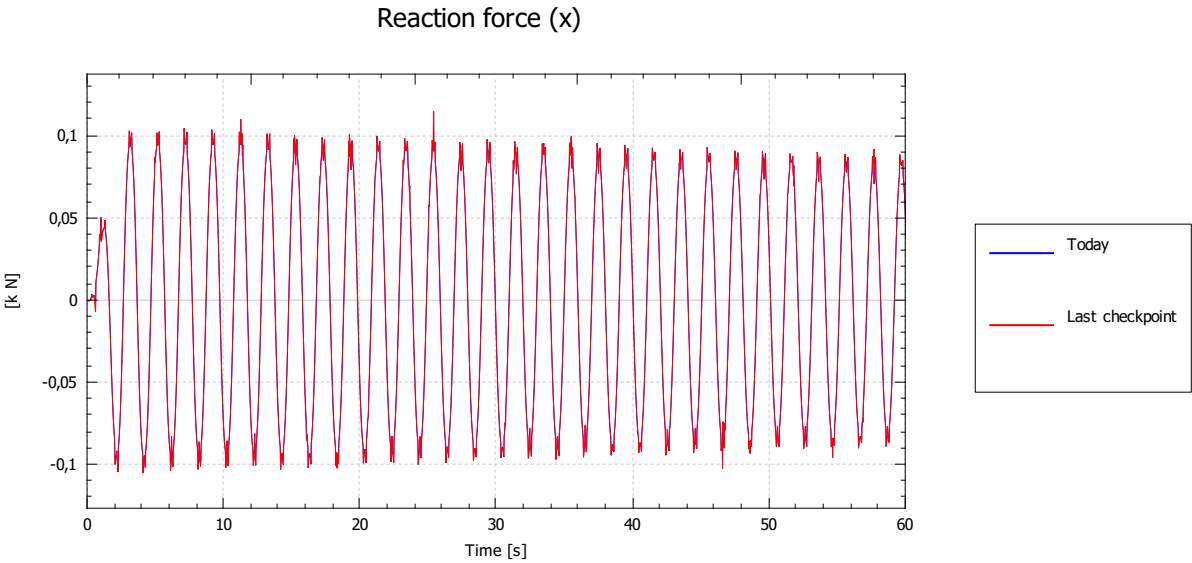
Displacement logarithmic decrement

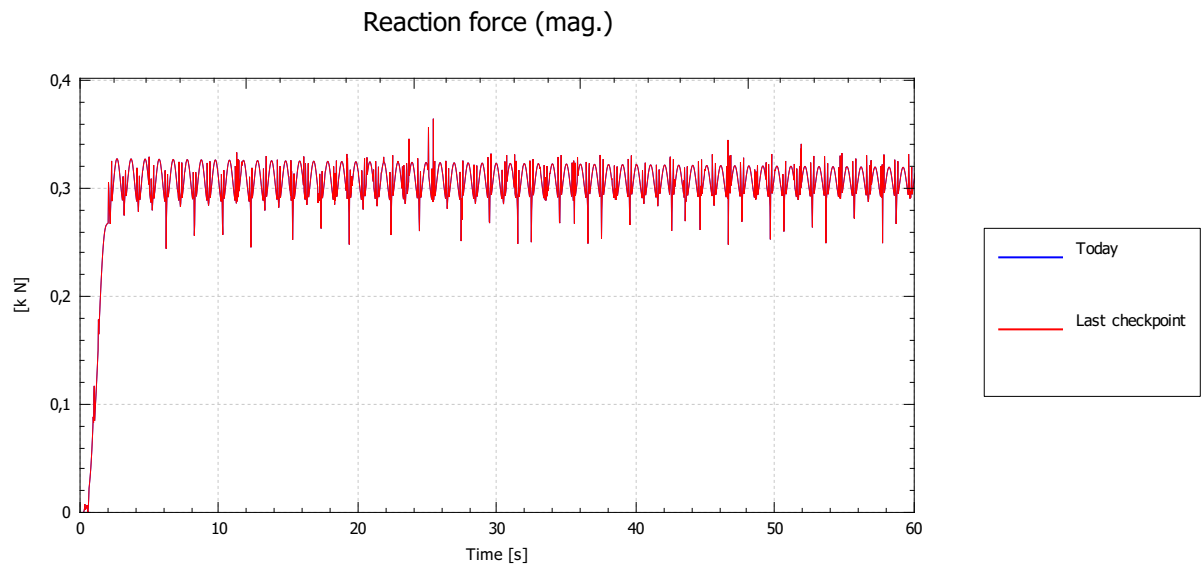


Displacement damping ratio

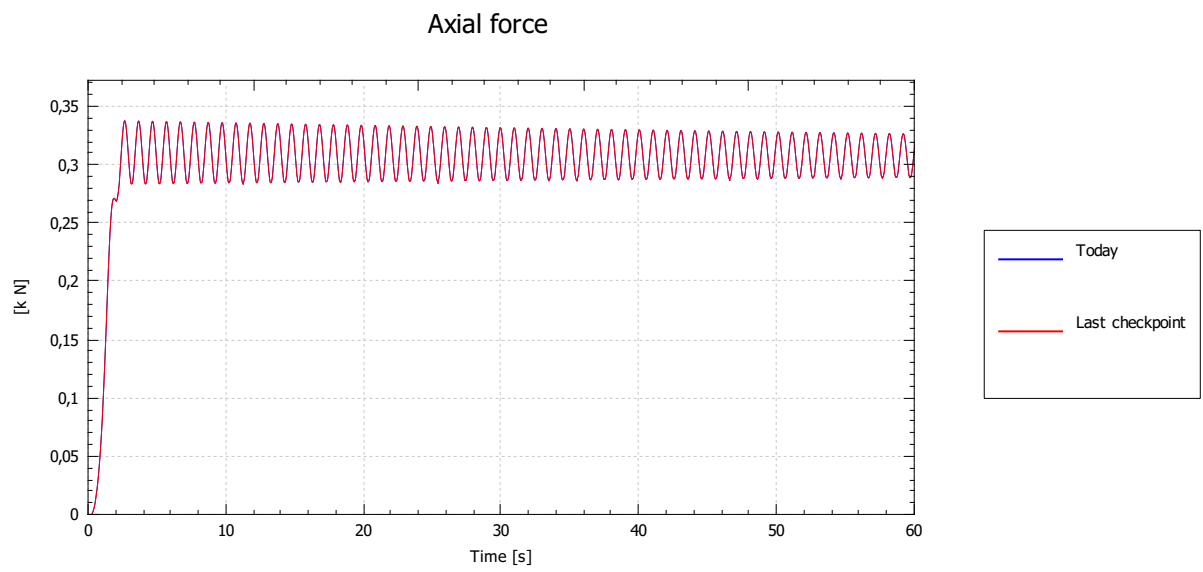


Support [Support 1 | Pendulum]

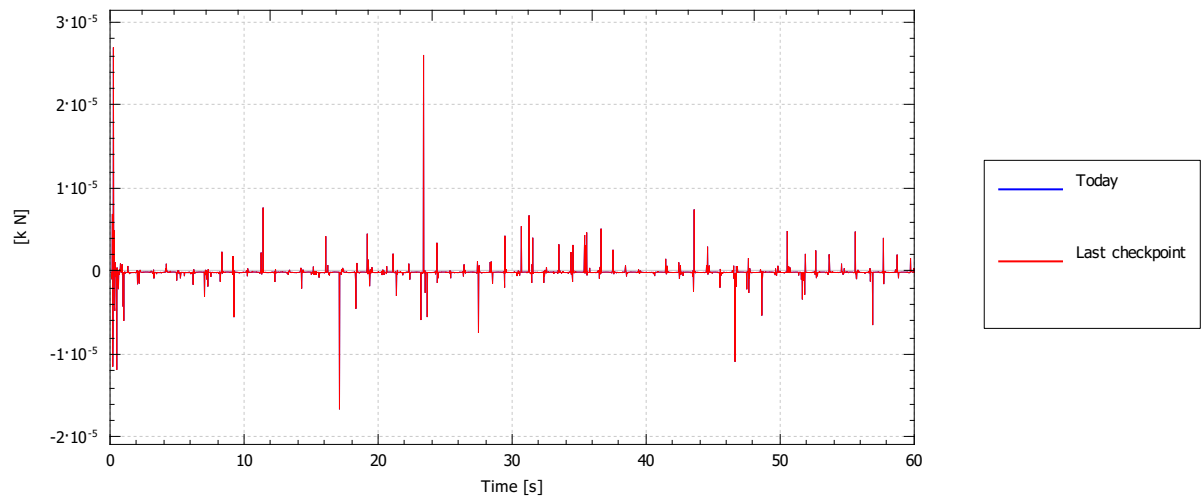




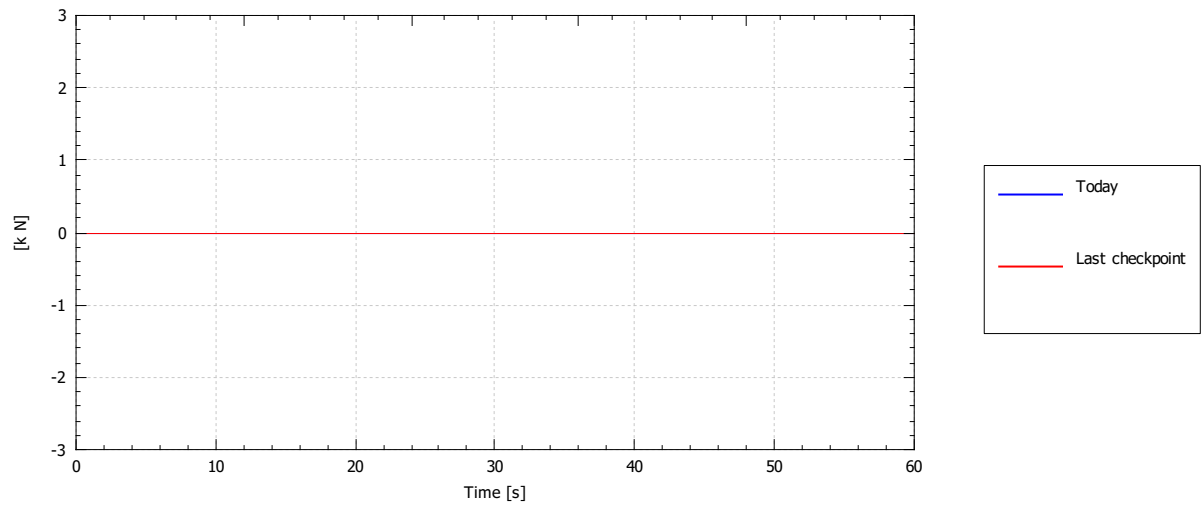
Beam element [Element 1 | Pendulum]



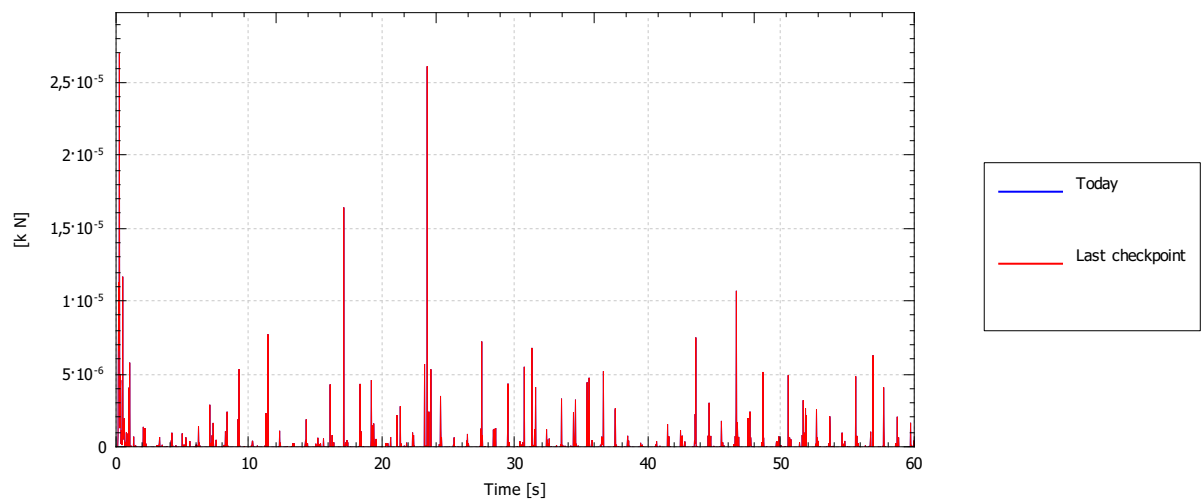
Shear force (1st prin. axis)



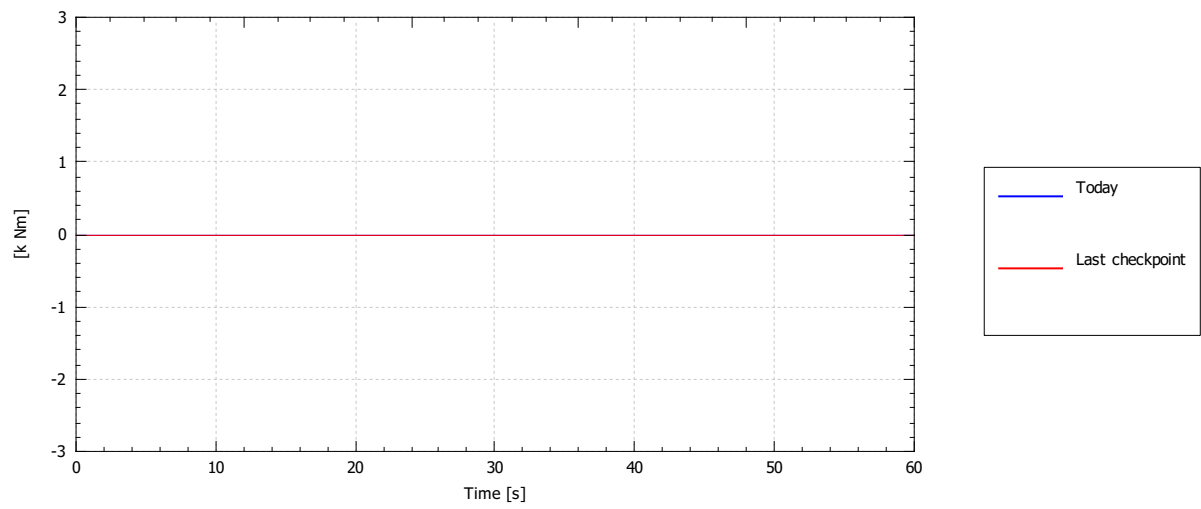
Shear force (2nd prin. axis)



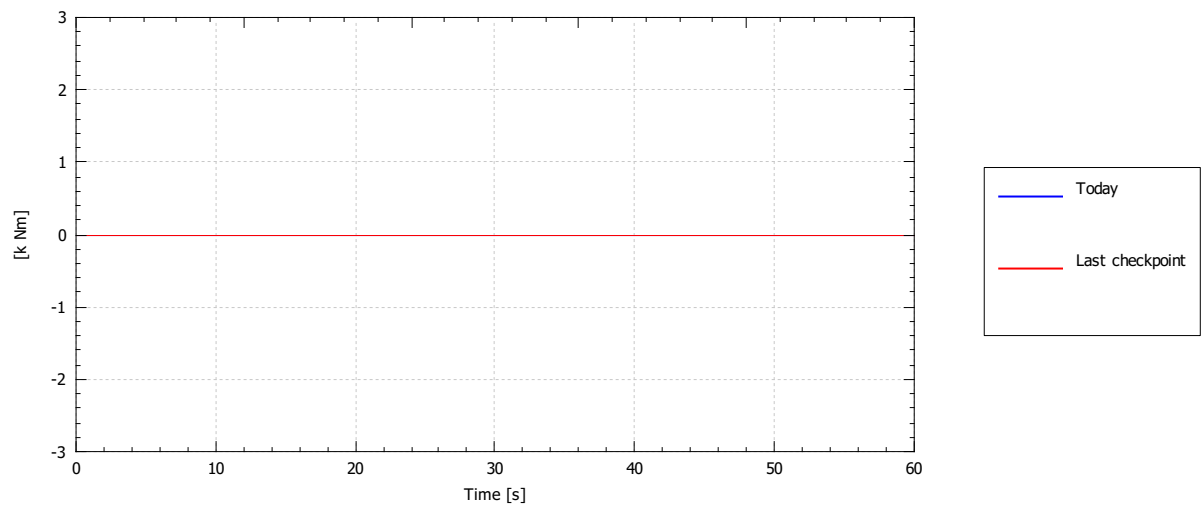
Shear force, mag.



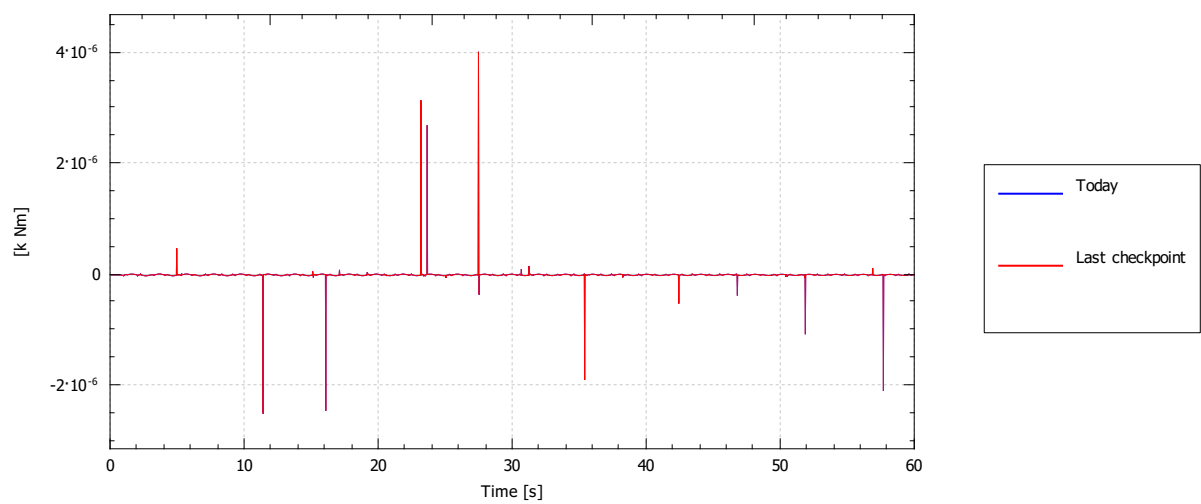
Torque

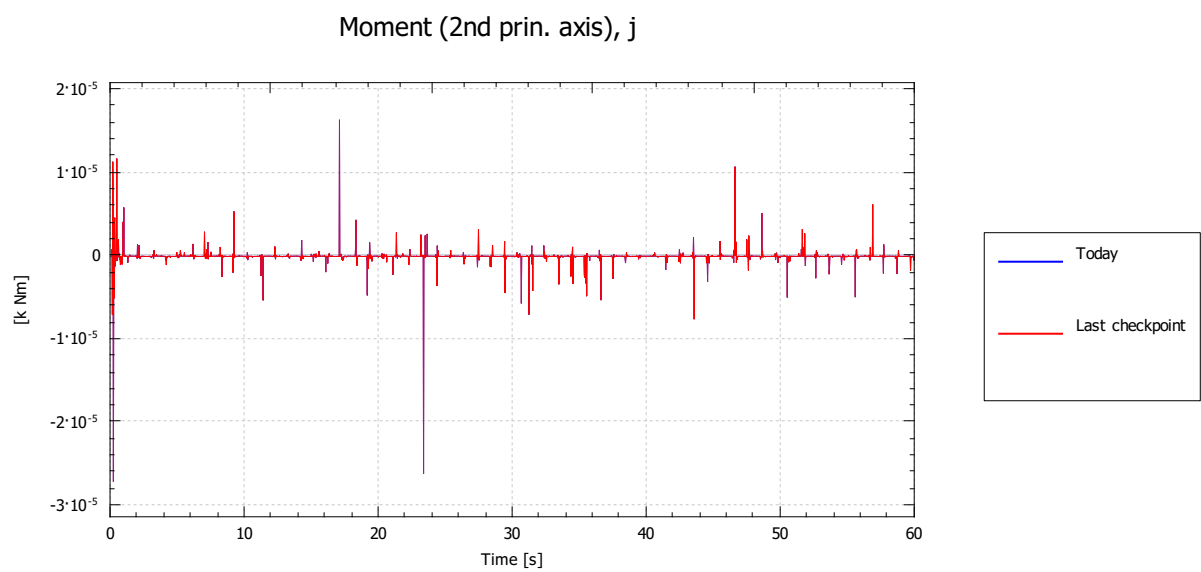
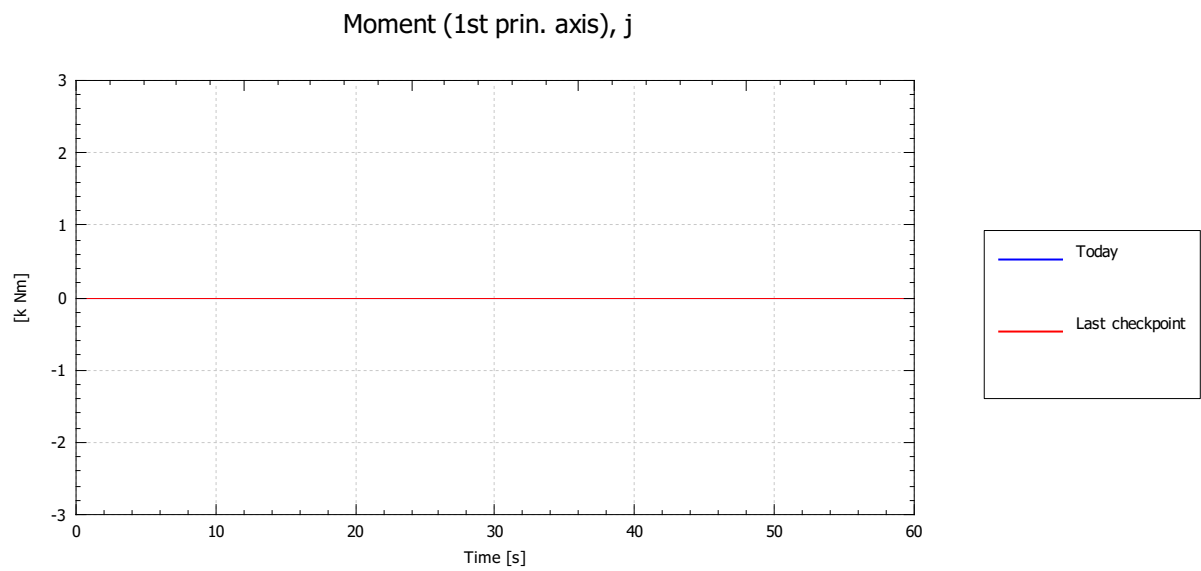
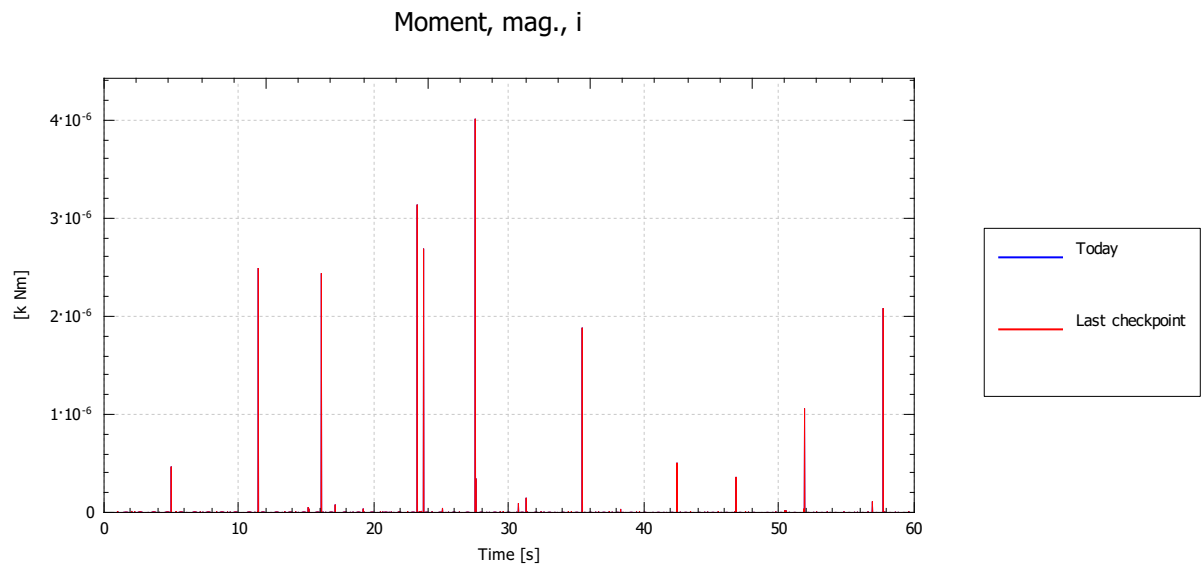


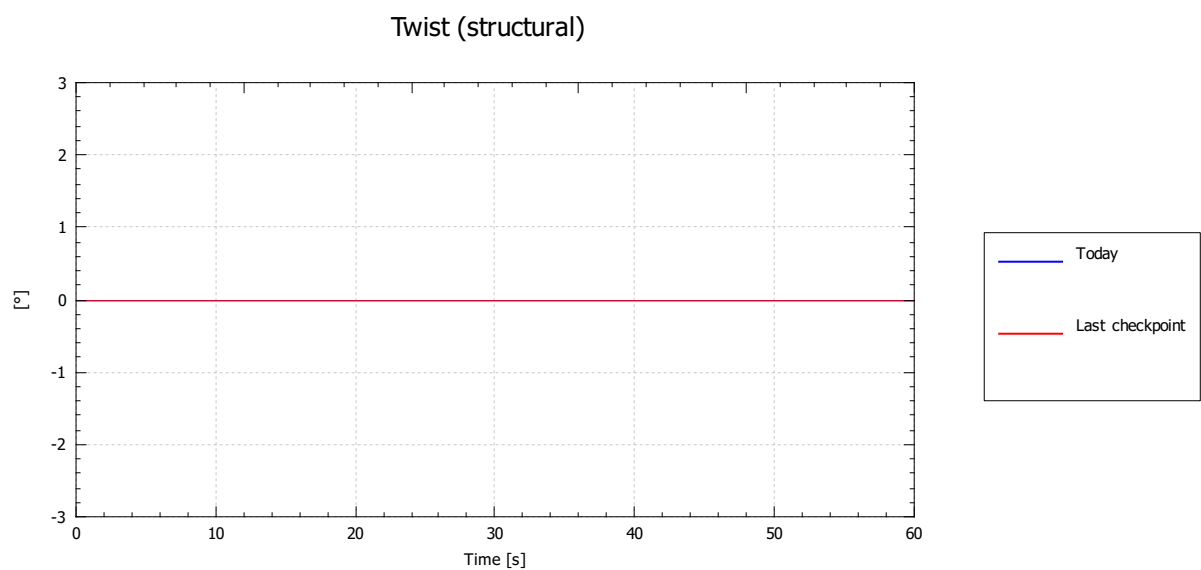
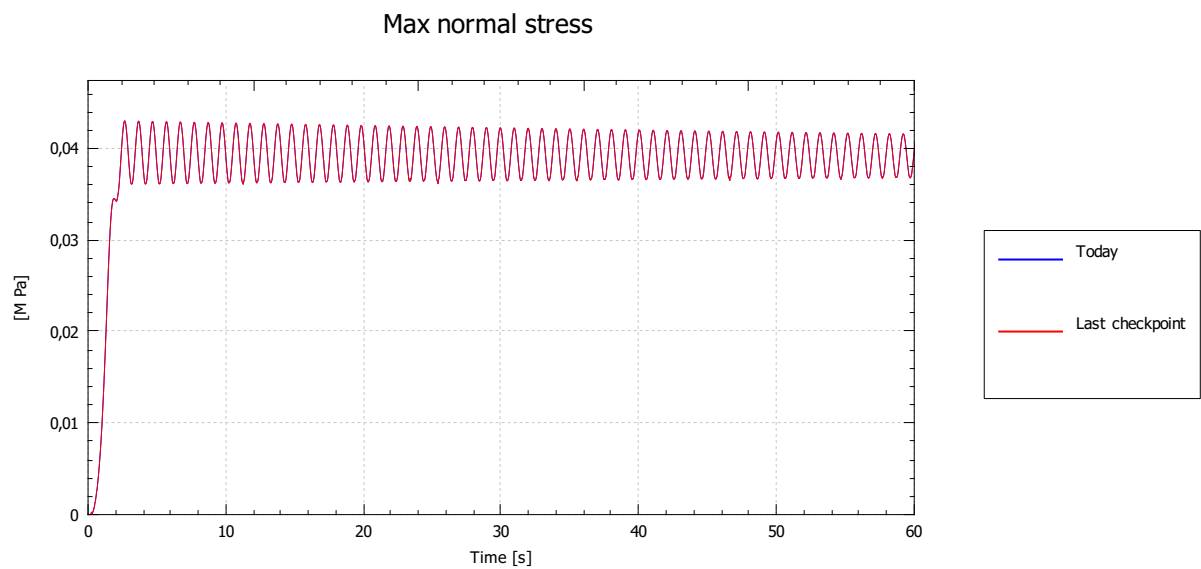
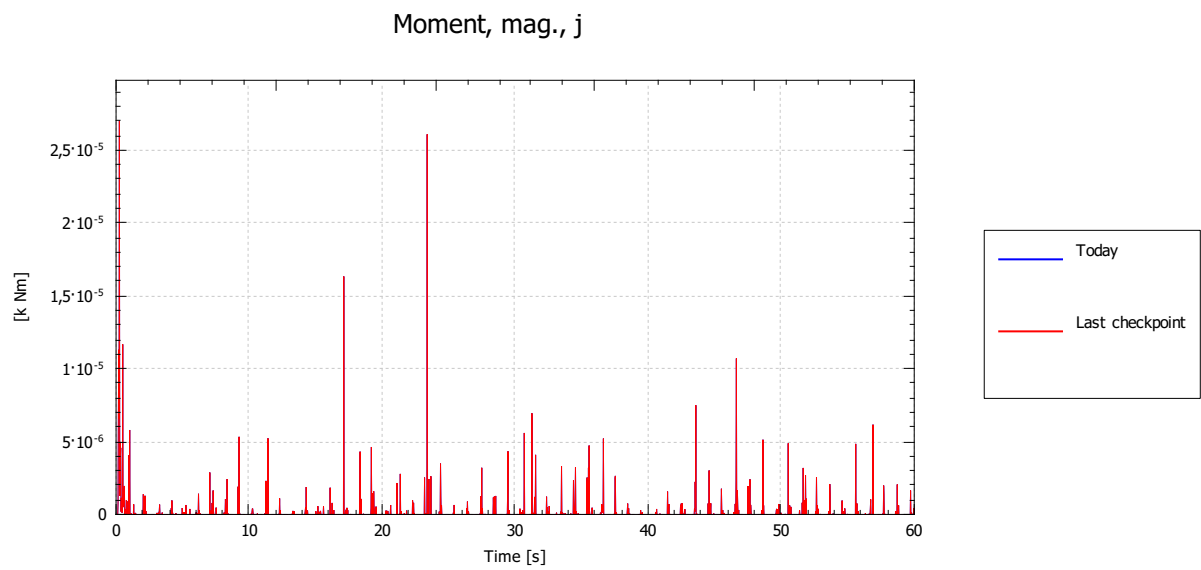
Moment (1st prin. axis), i



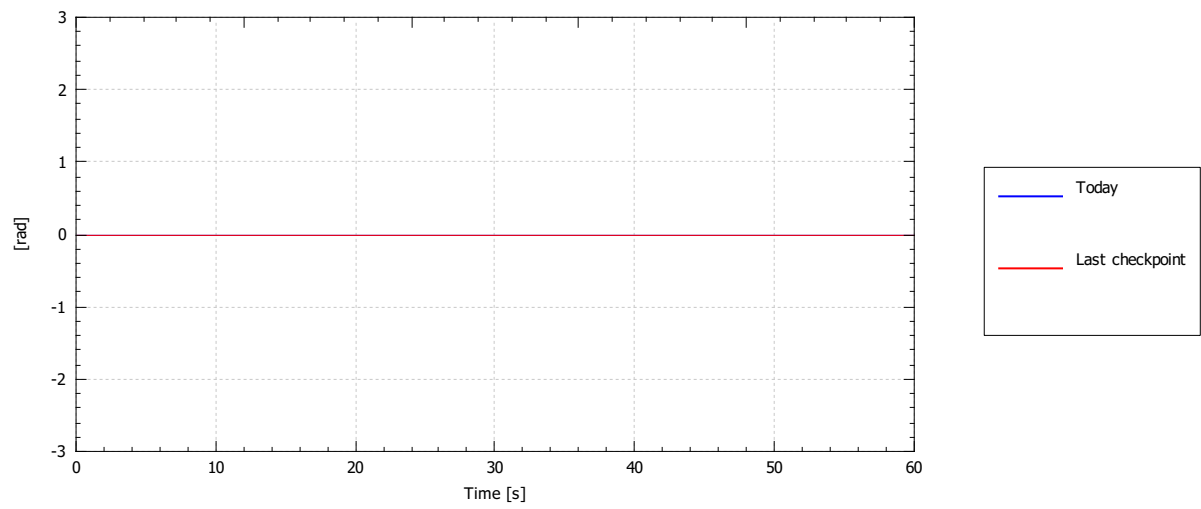
Moment (2nd prin. axis), i



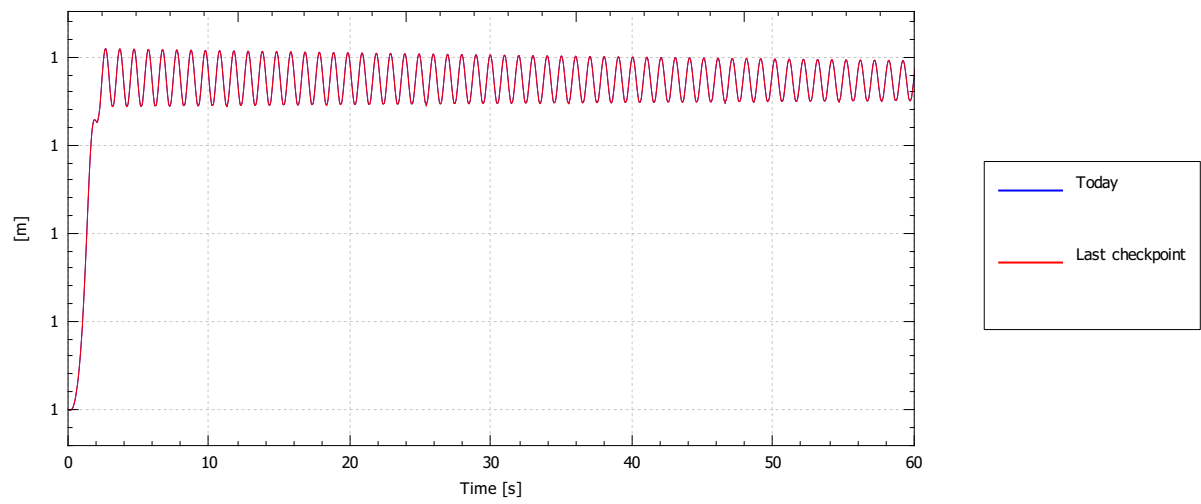




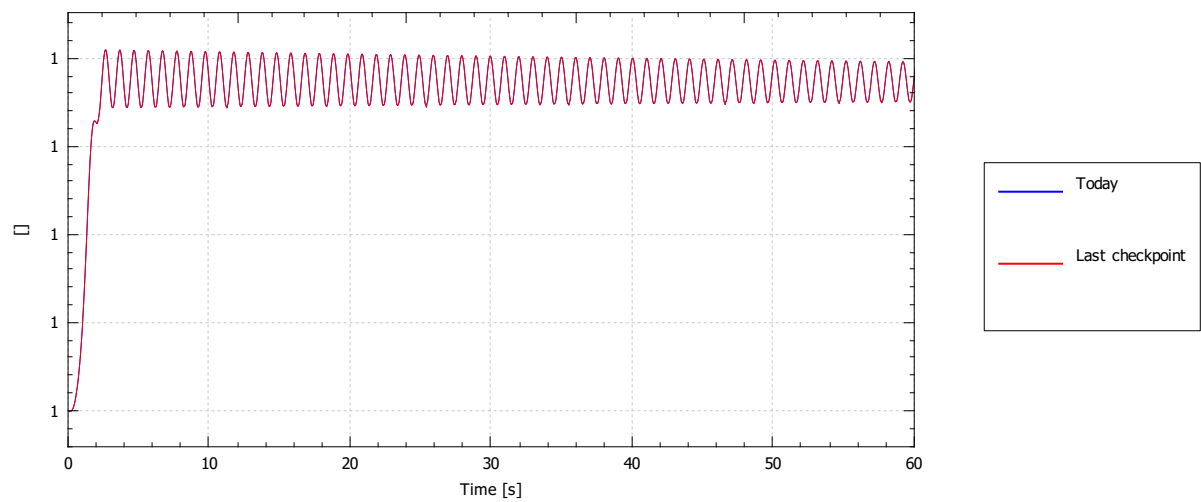
Twist (structural) - rad



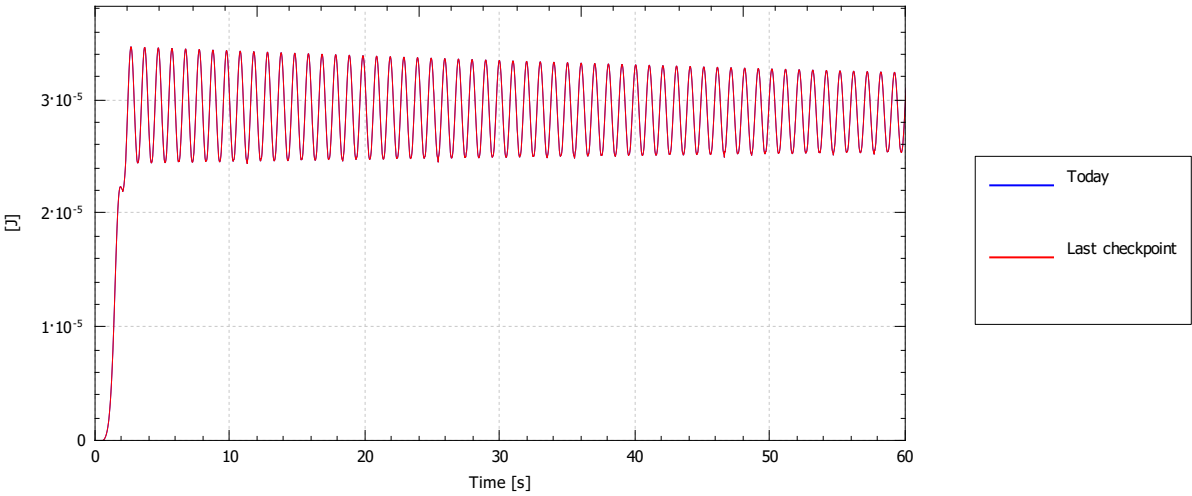
Deformed length



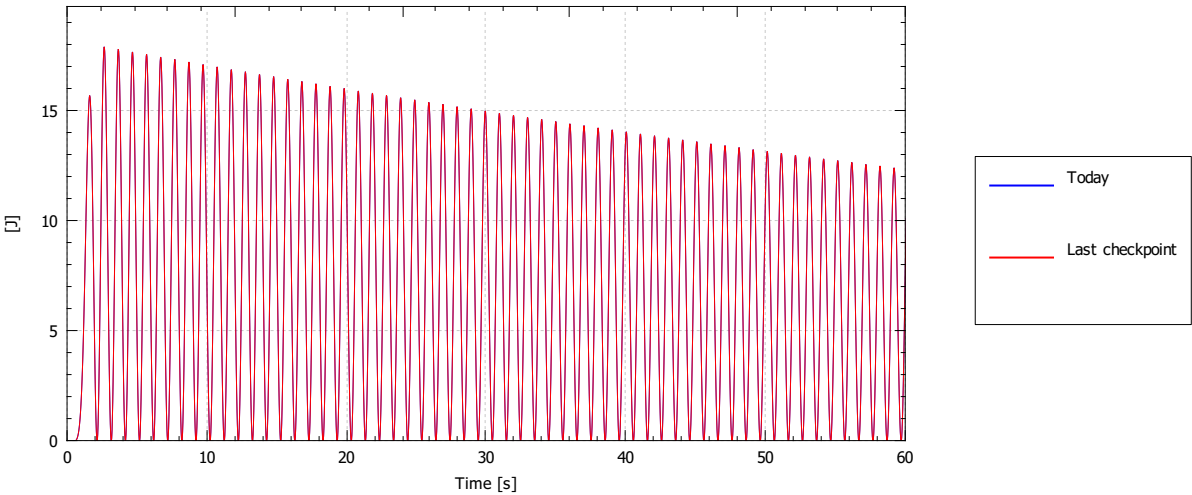
Elongation



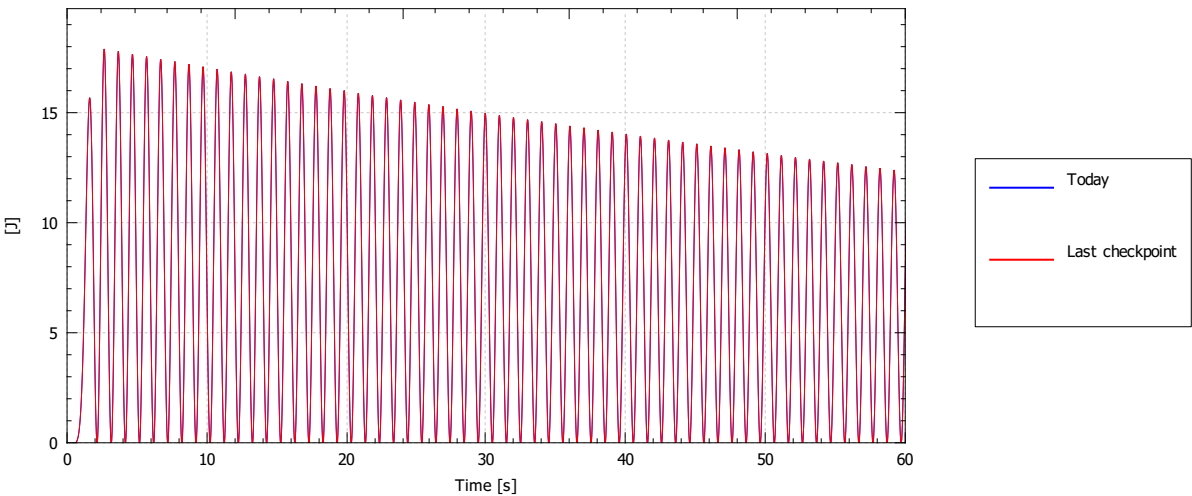
Strain energy



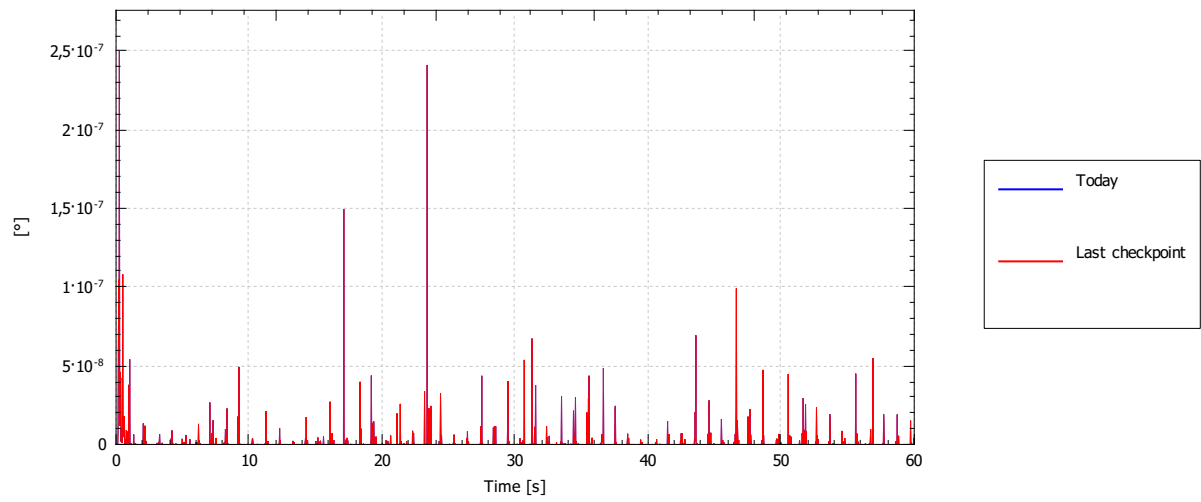
Kinetic energy



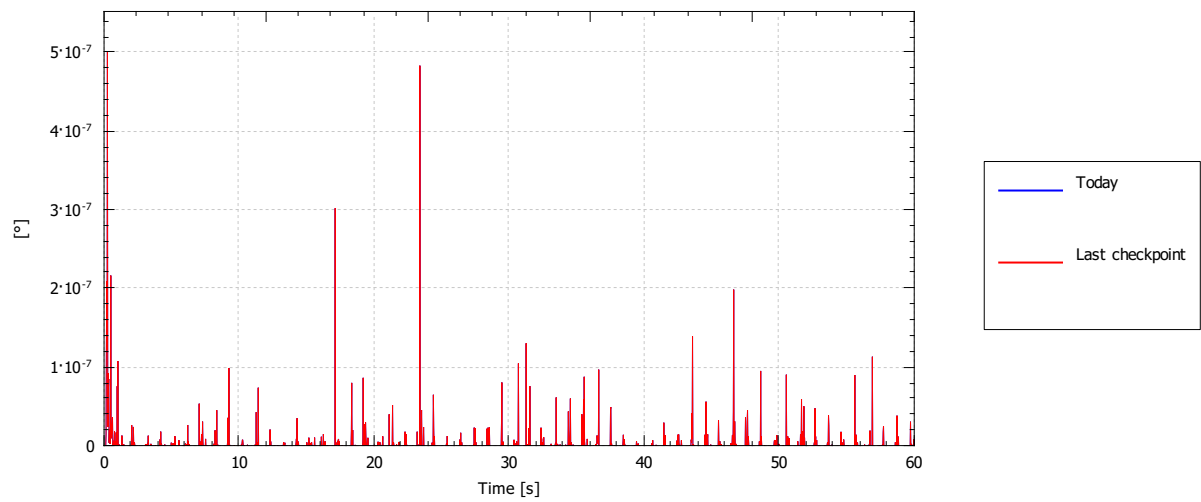
Mechanical energy



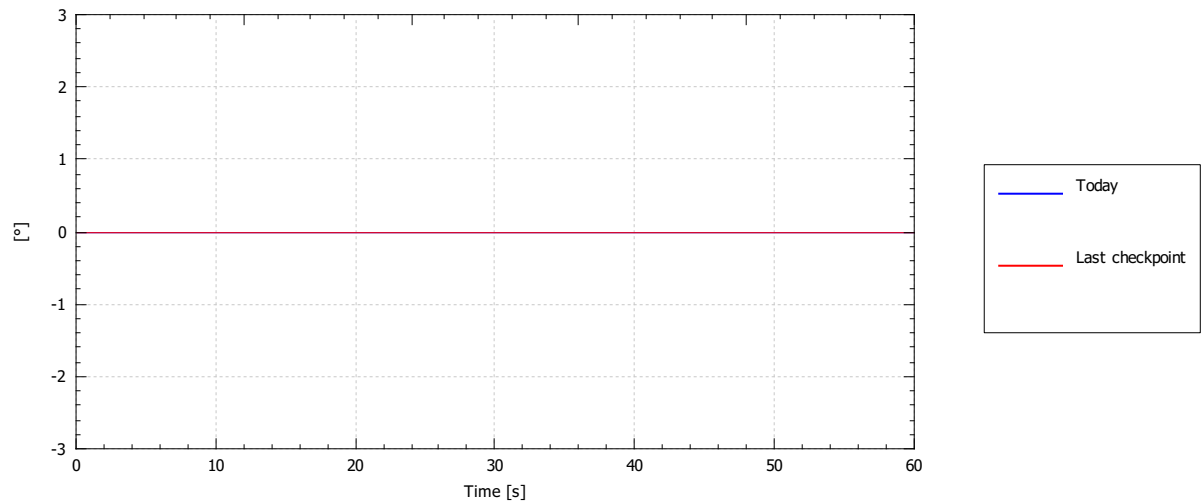
Deformational rotation (i)



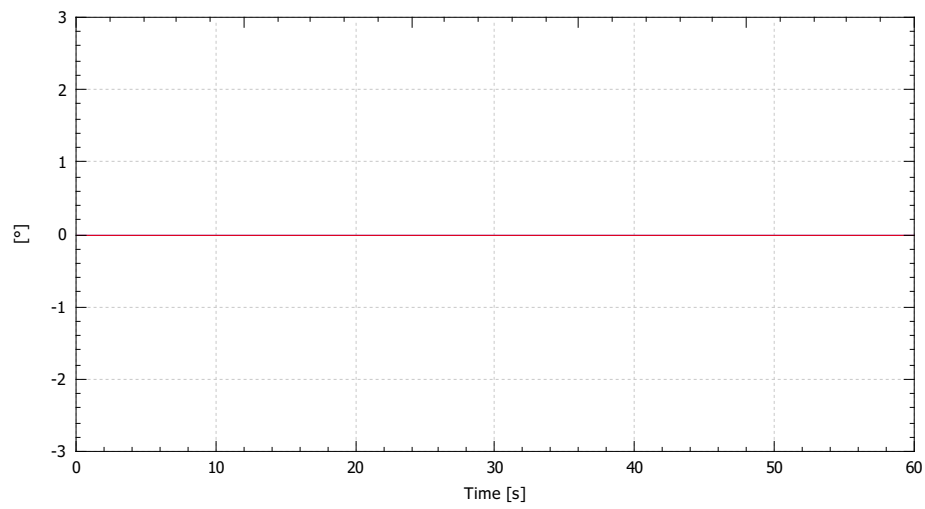
Deformational rotation (j)



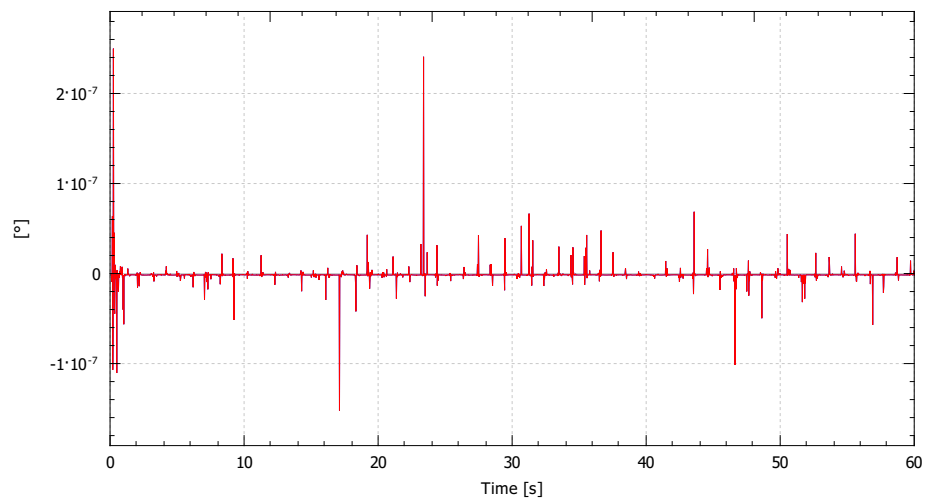
Deformational rotation (axial)



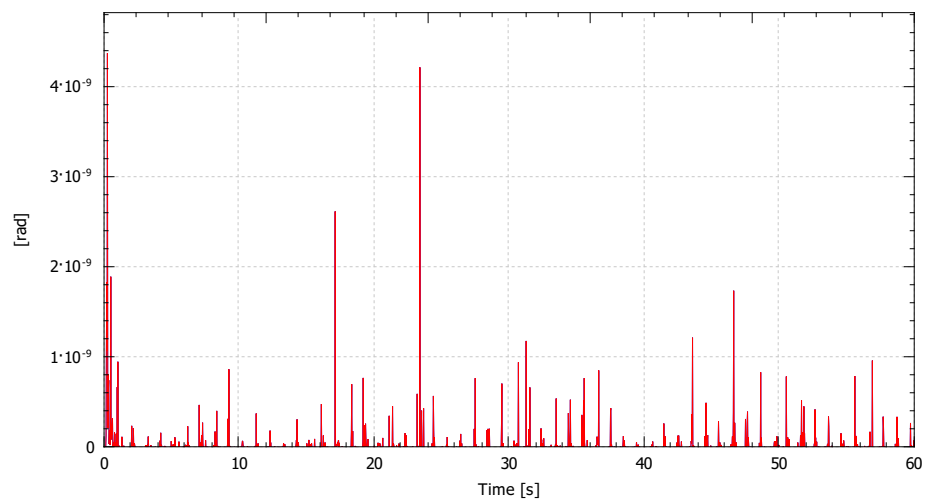
Deformational rotation (1st prin.)



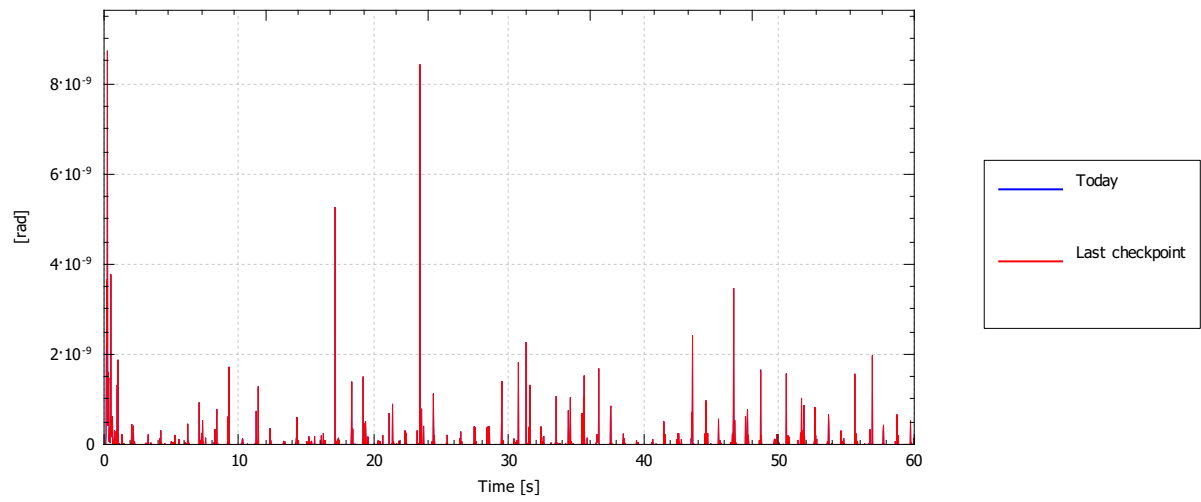
Deformational rotation (2nd prin.)



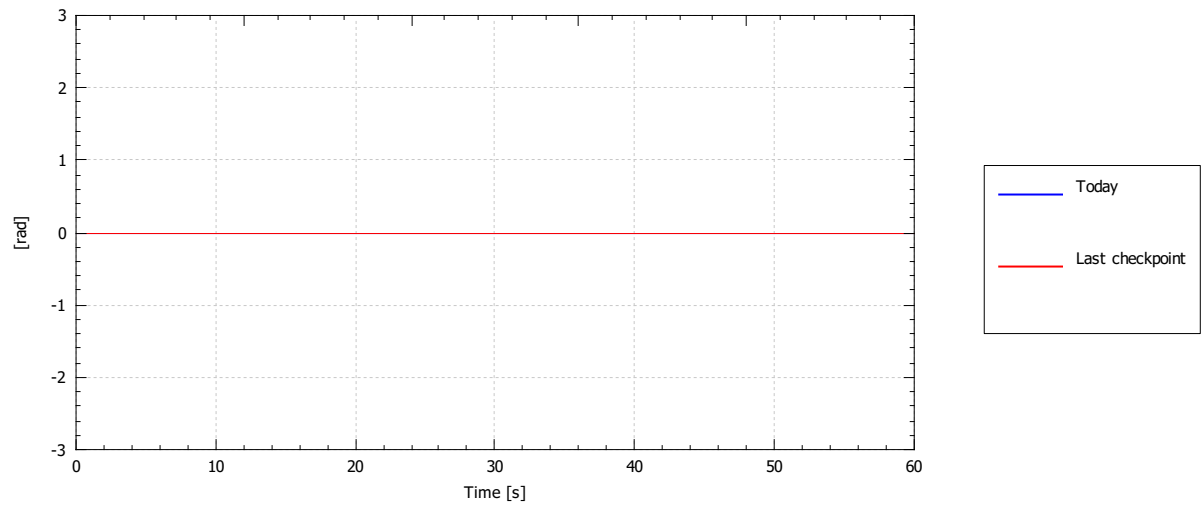
Deformational rotation (i) - rad



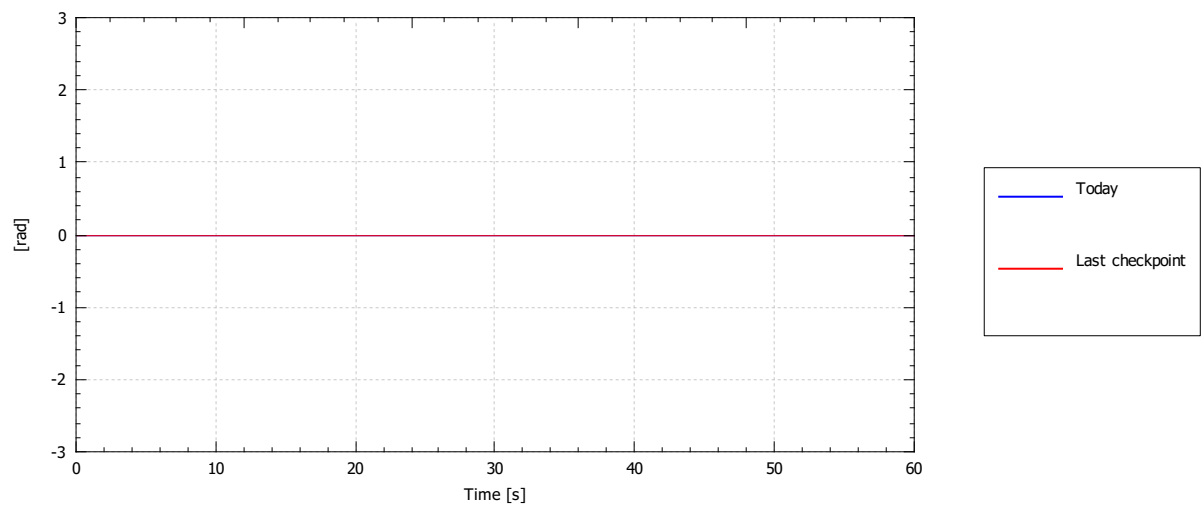
Deformational rotation (j) - rad



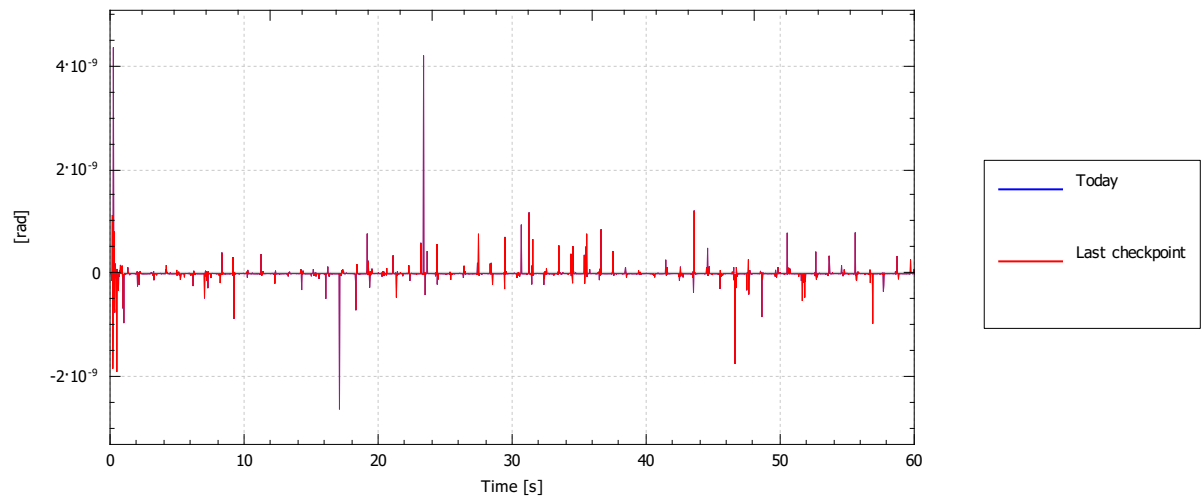
Deformational rotation (axial) - rad



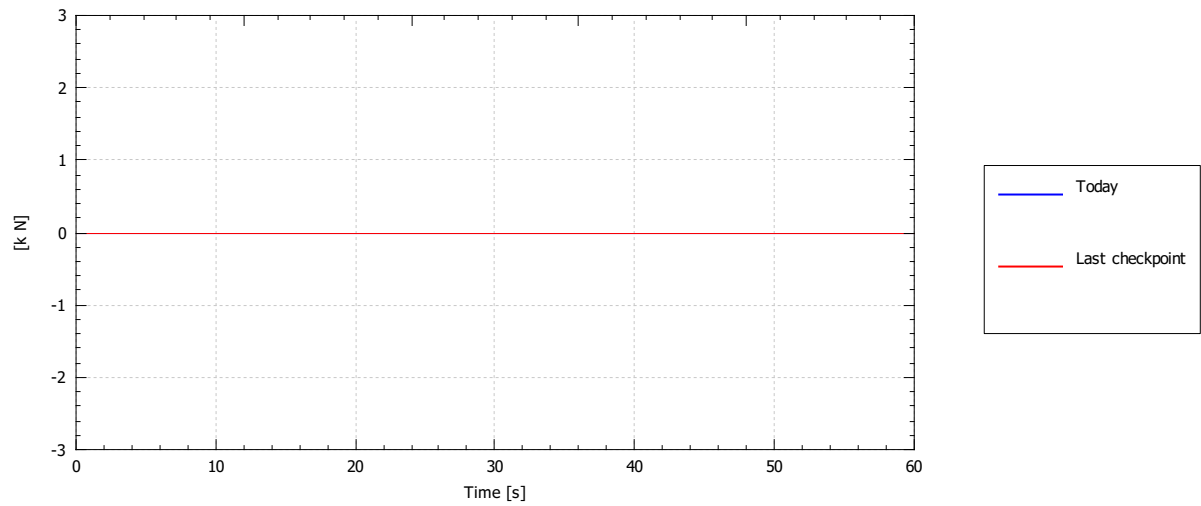
Deformational rotation (1st prin.) - rad



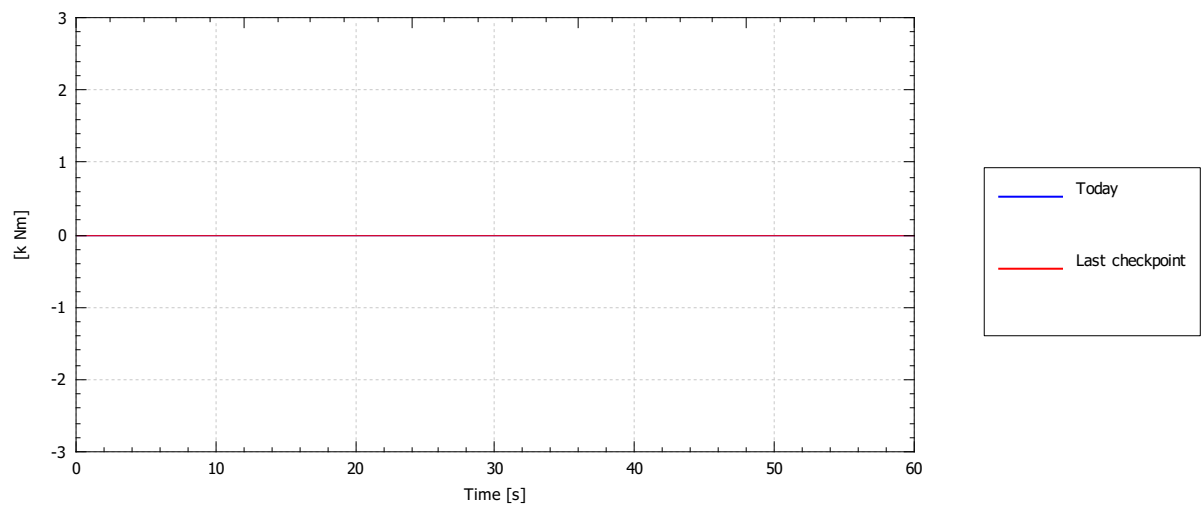
Deformational rotation (2nd prin.) - rad

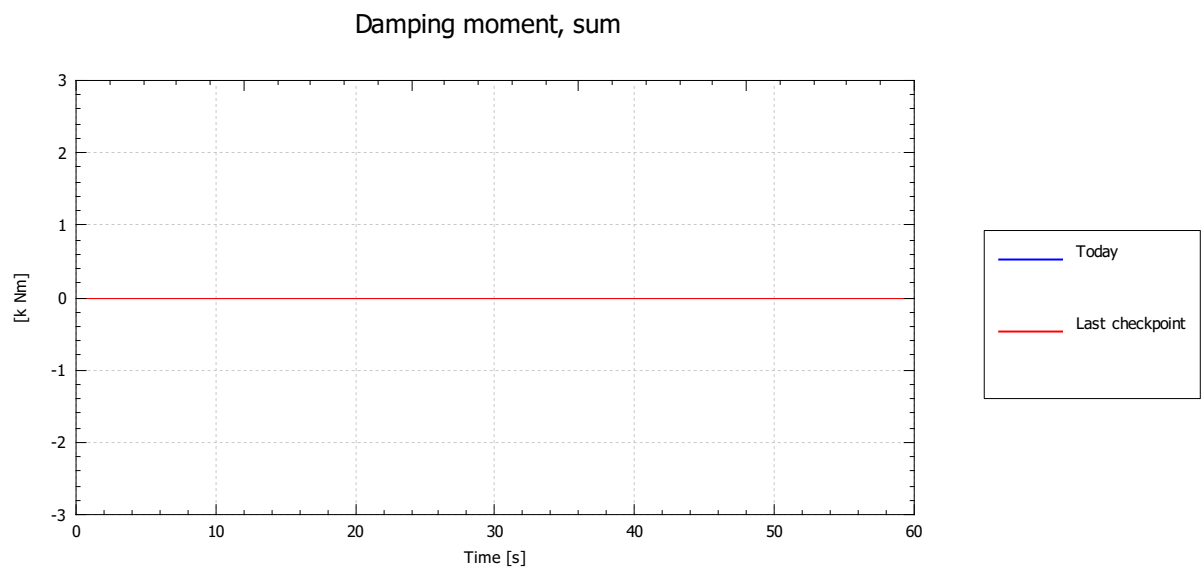
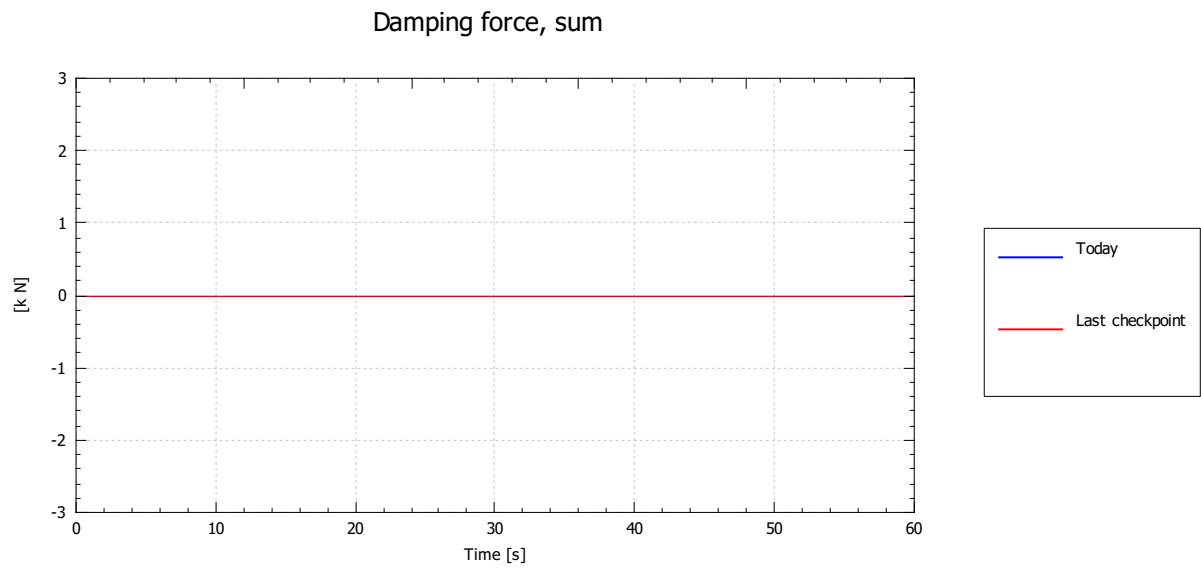


Damping force, i



Damping moment, i

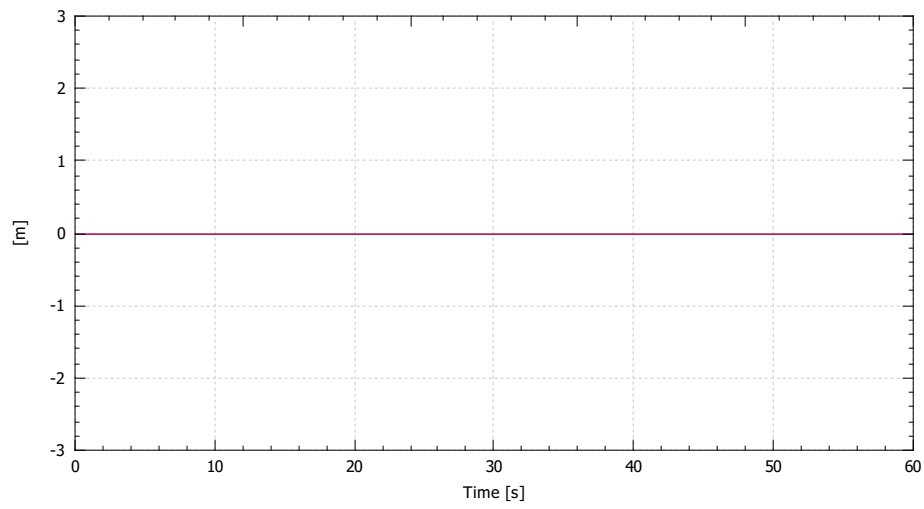




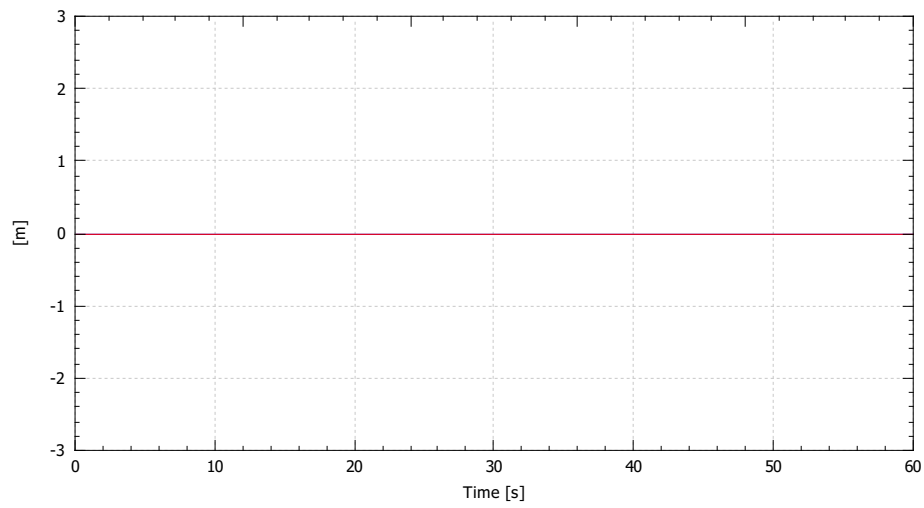
Load case: Free motion damped 0 deg

Node [Node 2 | Pendulum]

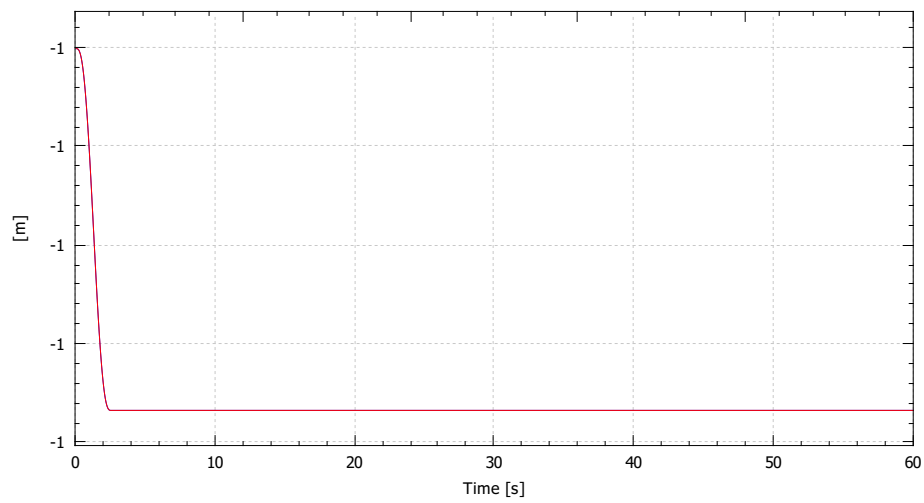
Position (x)



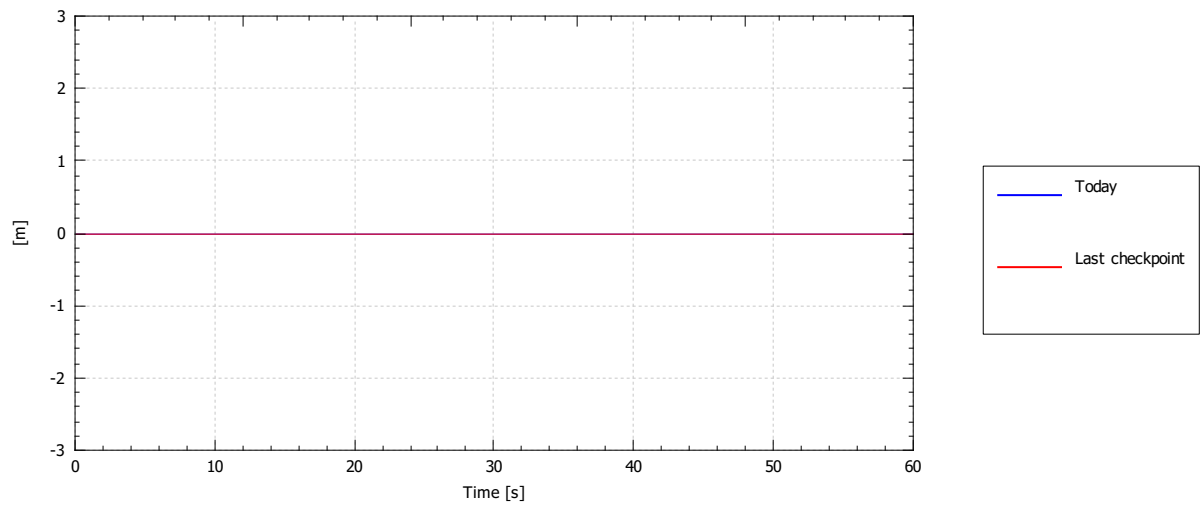
Position (y)



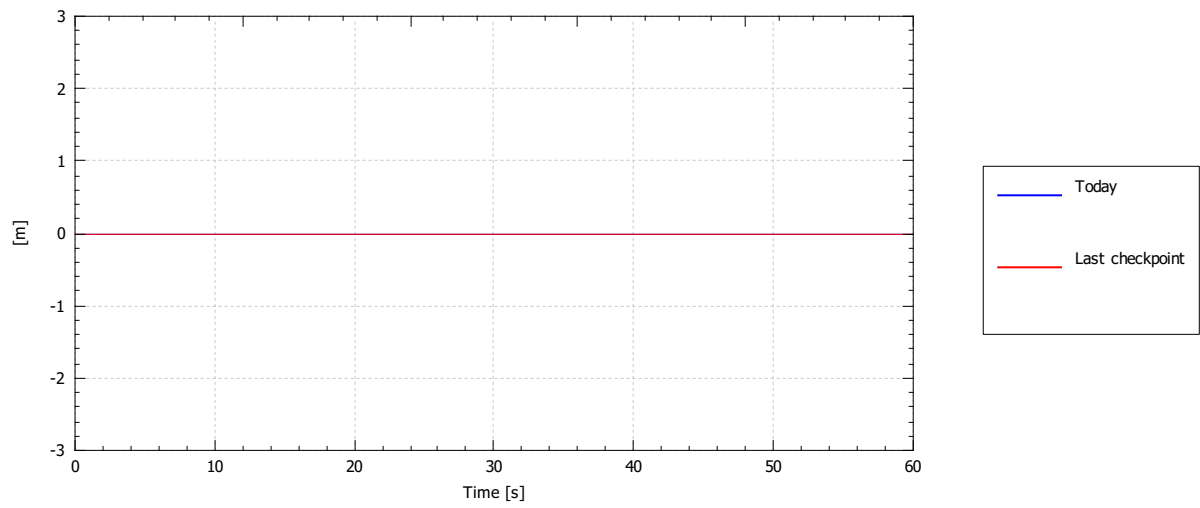
Position (z)



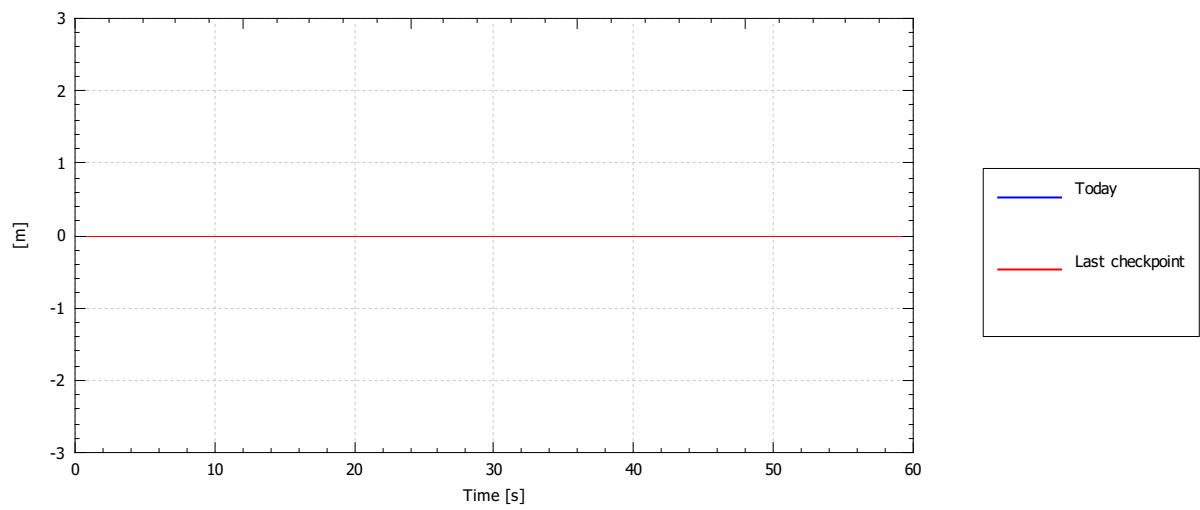
Displacement (u)



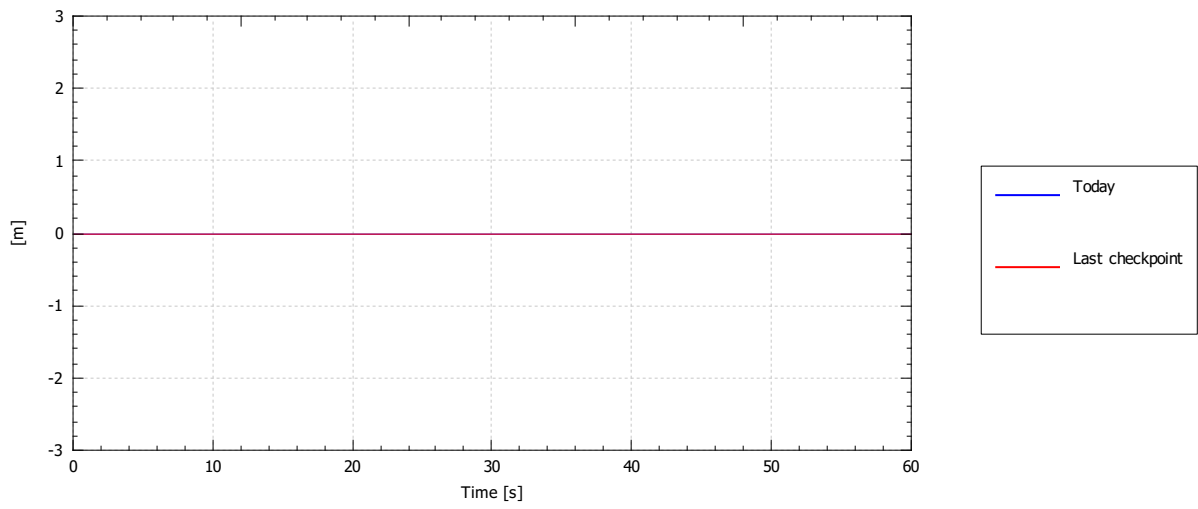
Displacement (v)



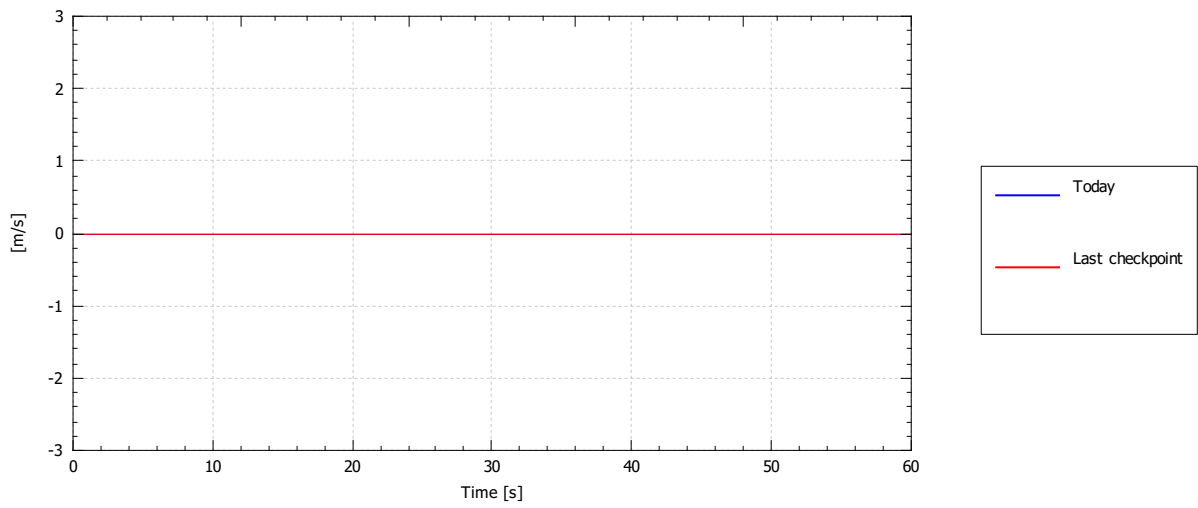
Displacement (w)



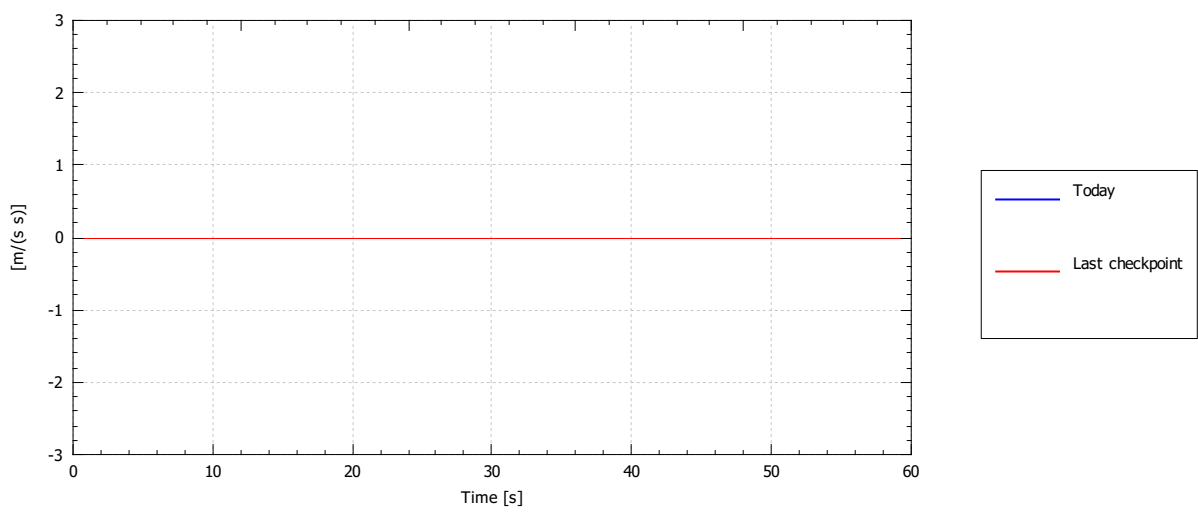
Displacement magnitude



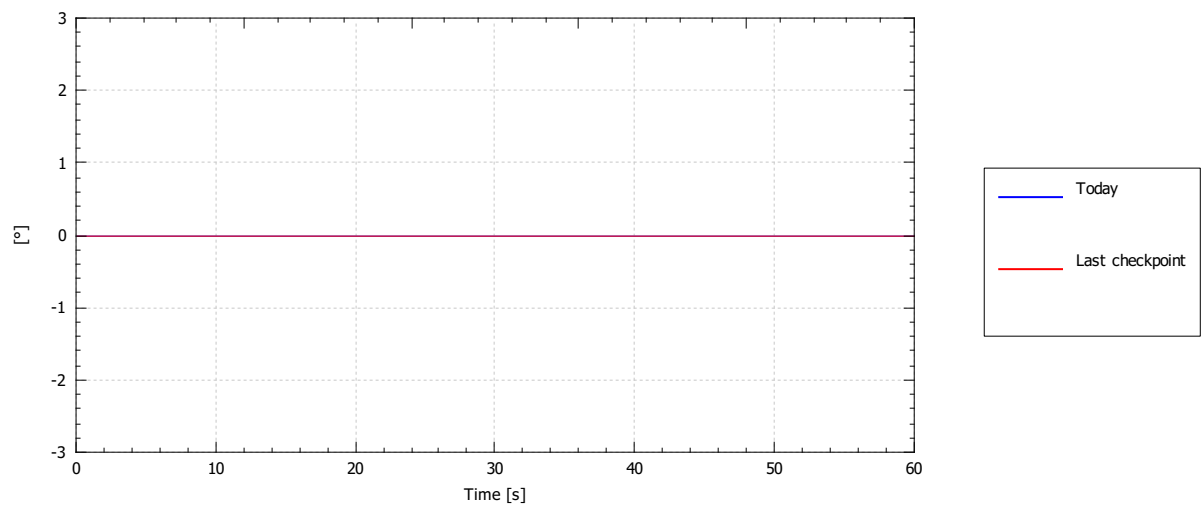
Speed



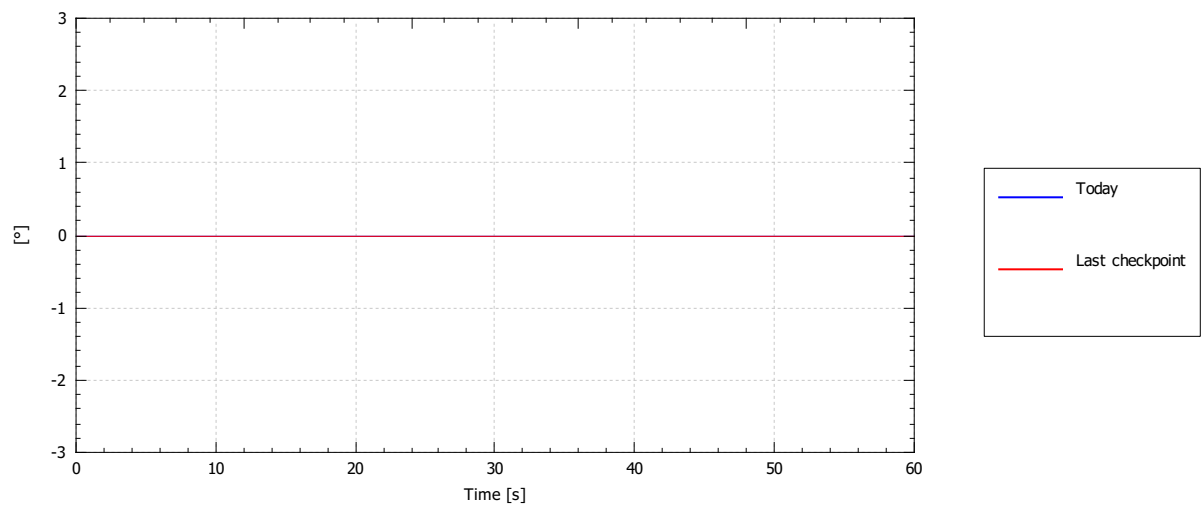
Acceleration, magnitude



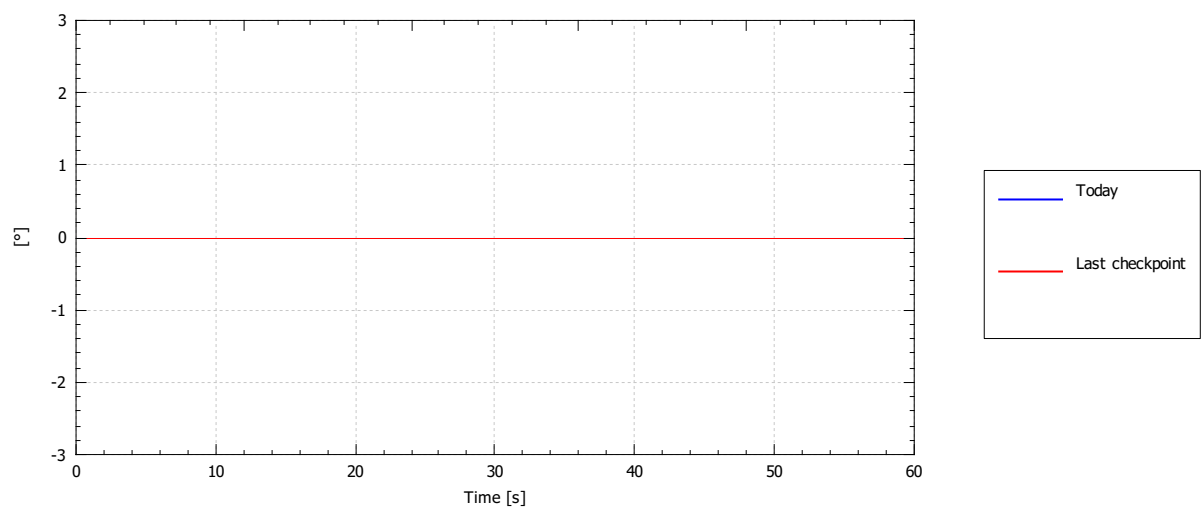
Rotational displacement (ru)



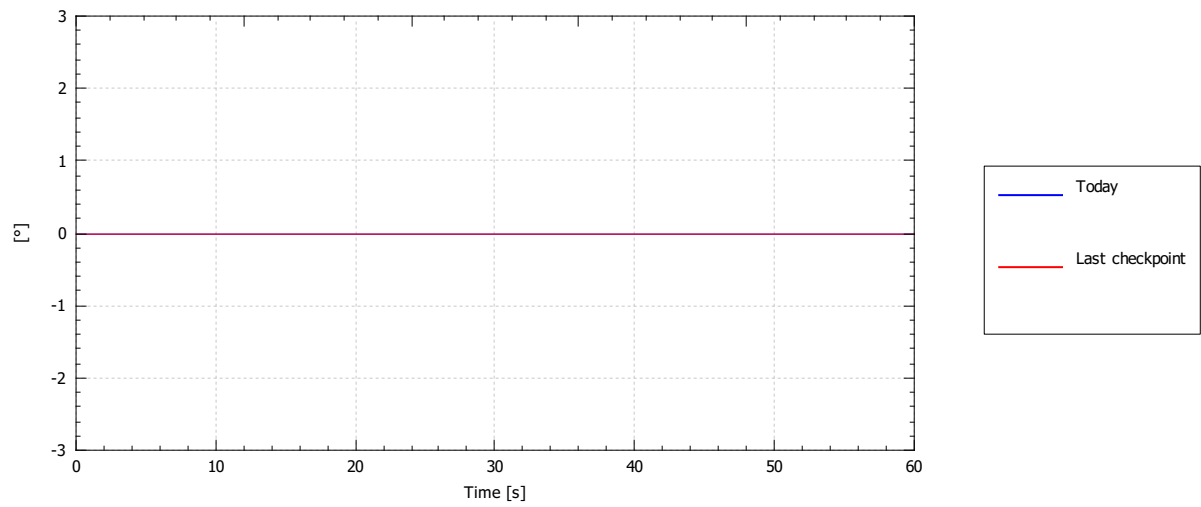
Rotational displacement (rv)



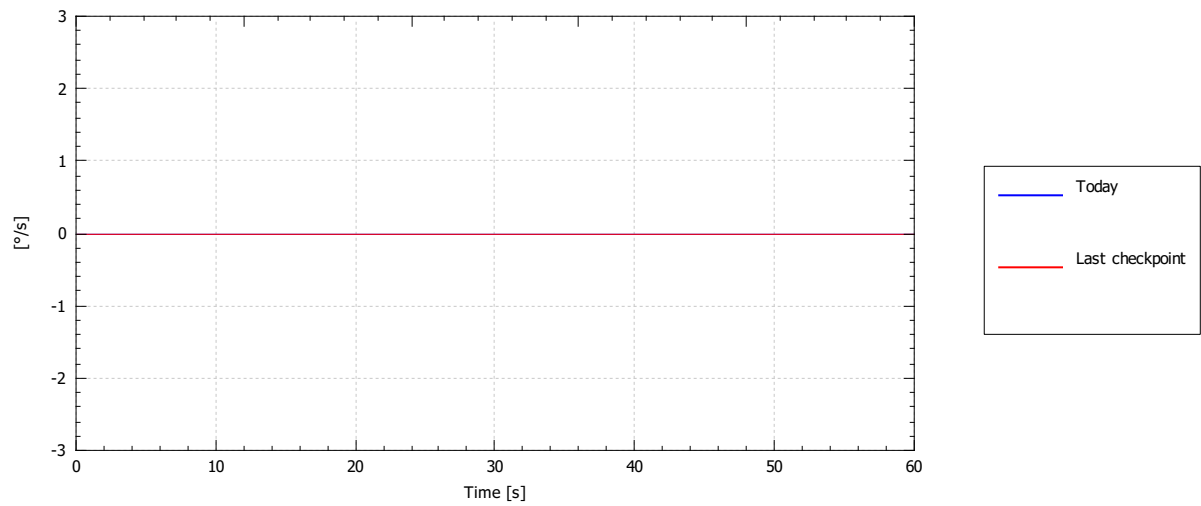
Rotational displacement (rw)



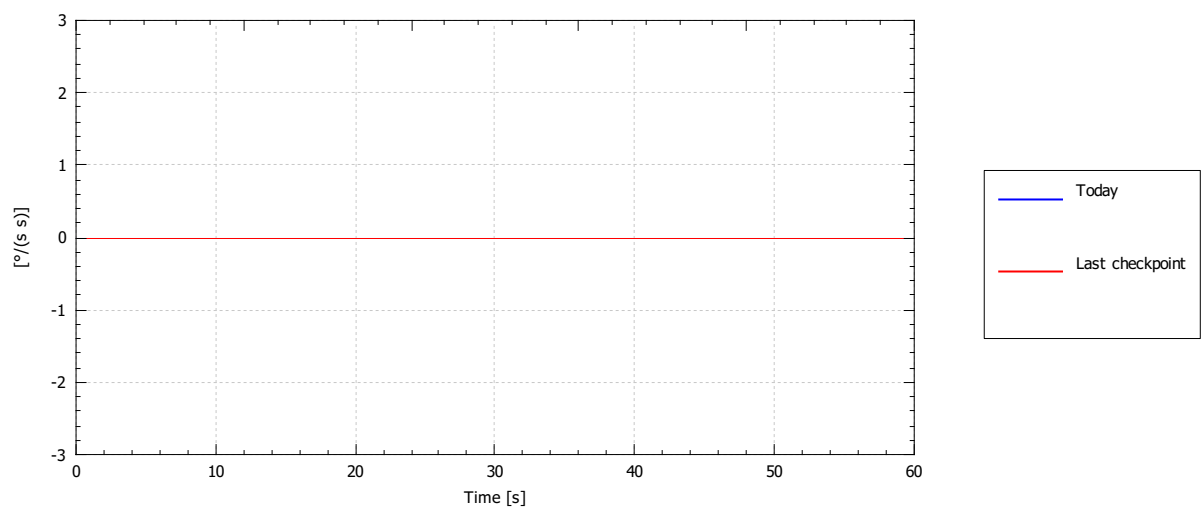
Rotational displacement magnitude



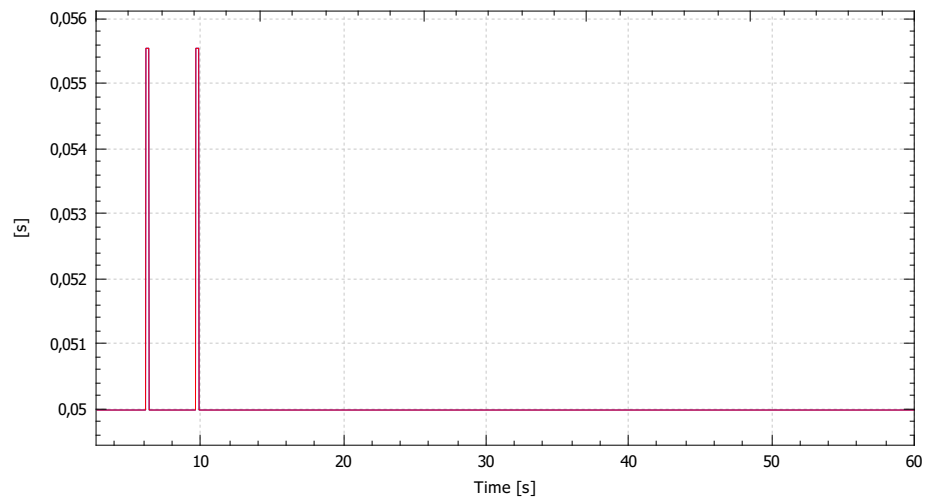
Rotational speed



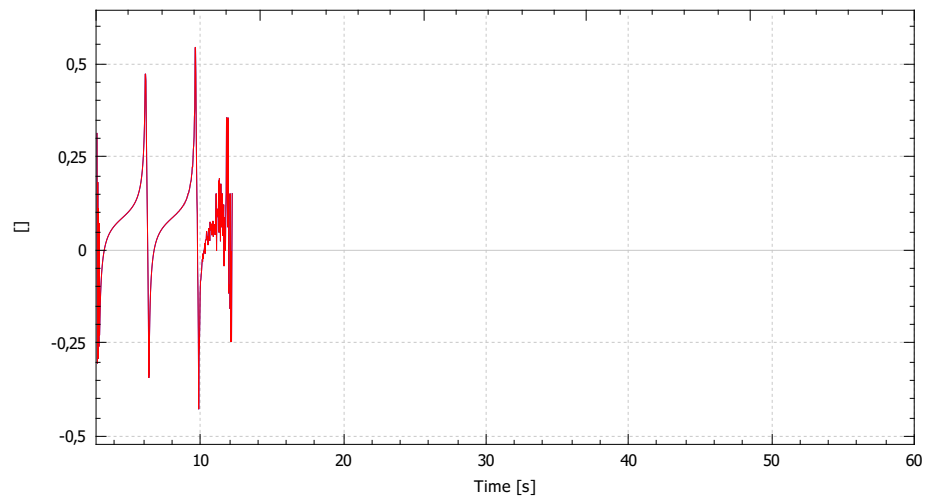
Rotational acceleration mag



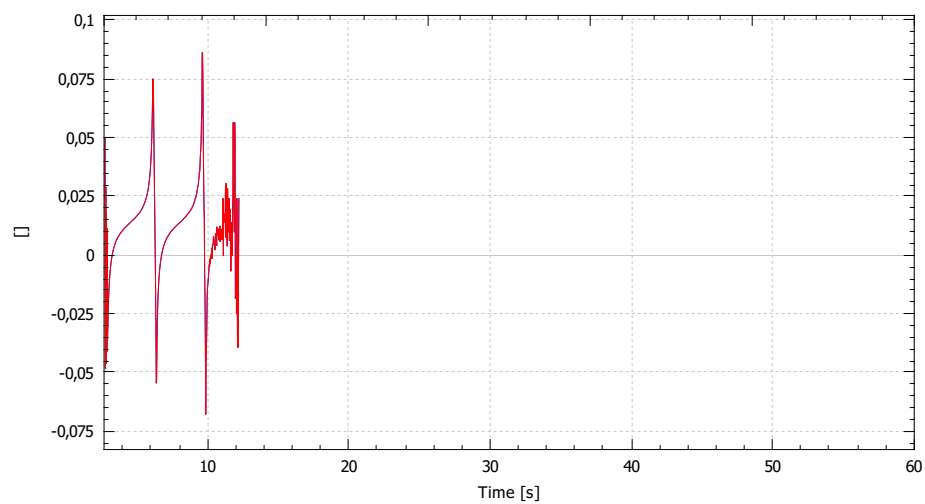
Displacement period



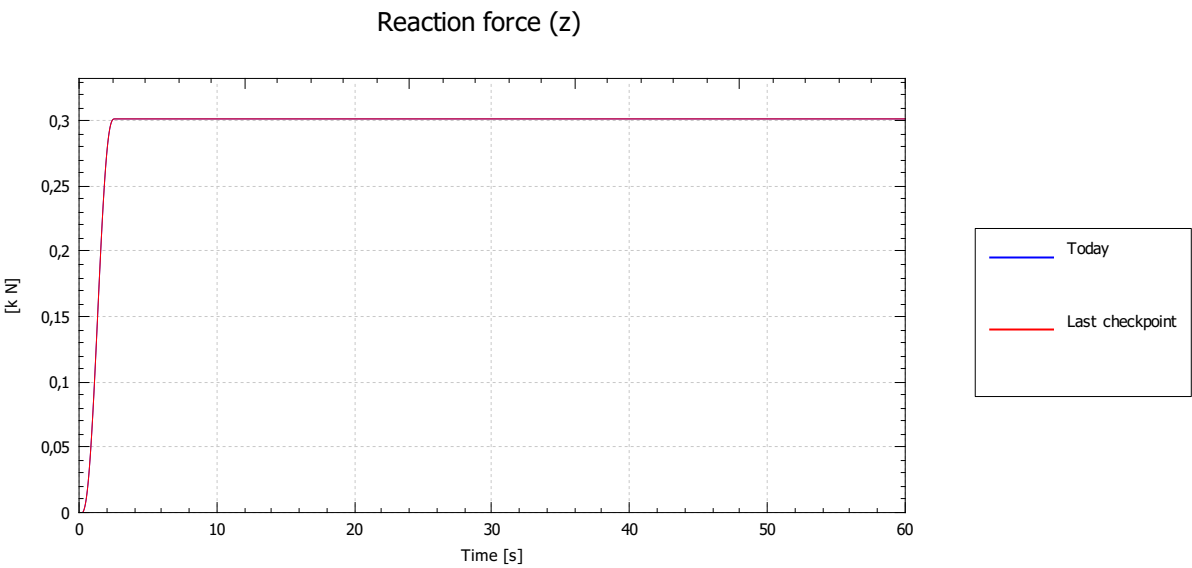
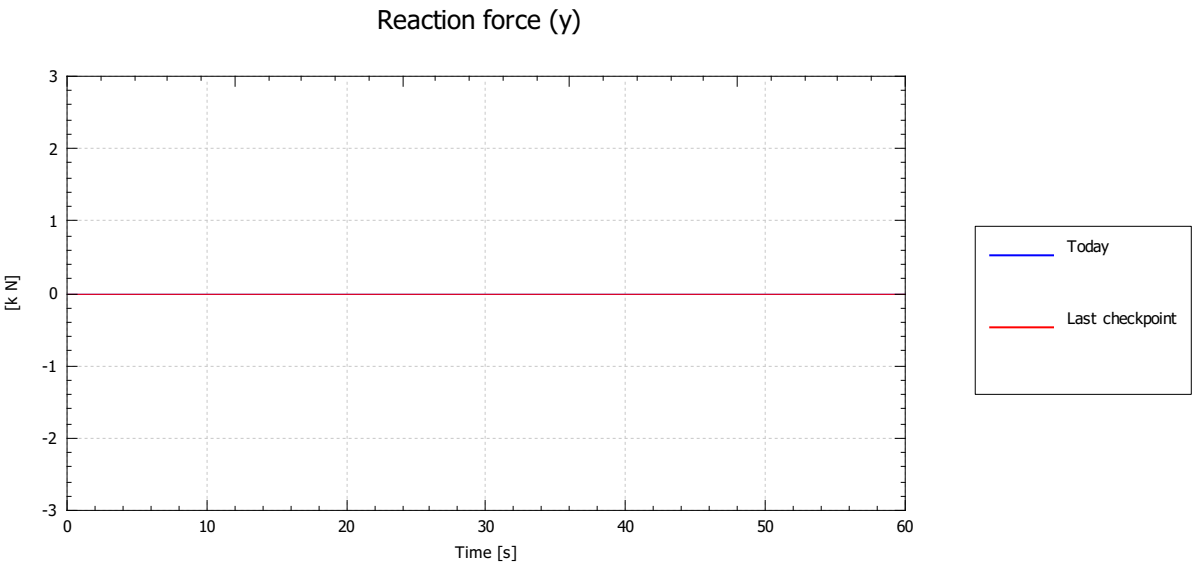
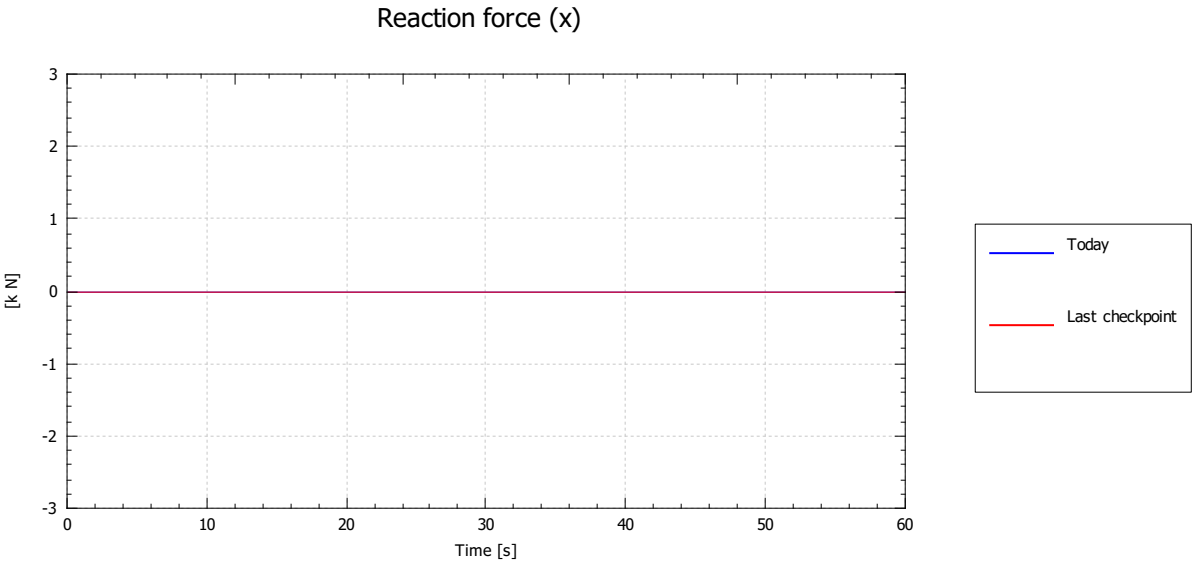
Displacement logarithmic decrement



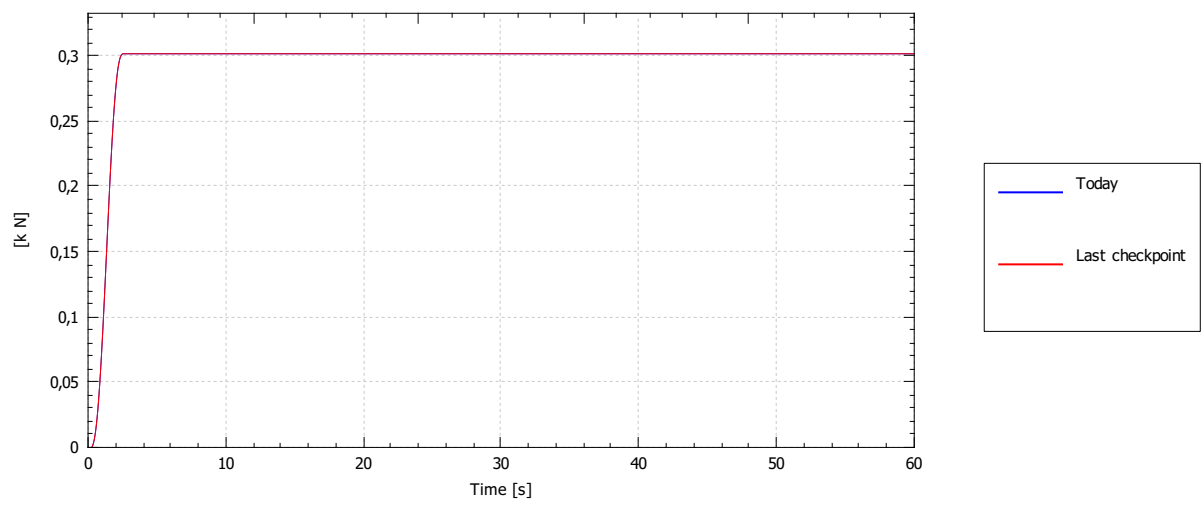
Displacement damping ratio



Support [Support 1 | Pendulum]

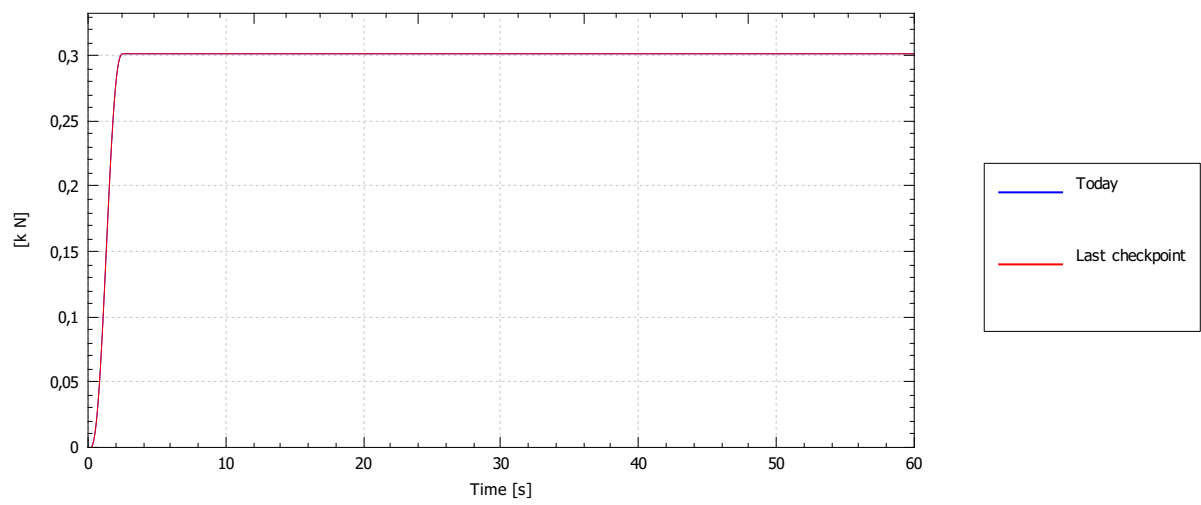


Reaction force (mag.)

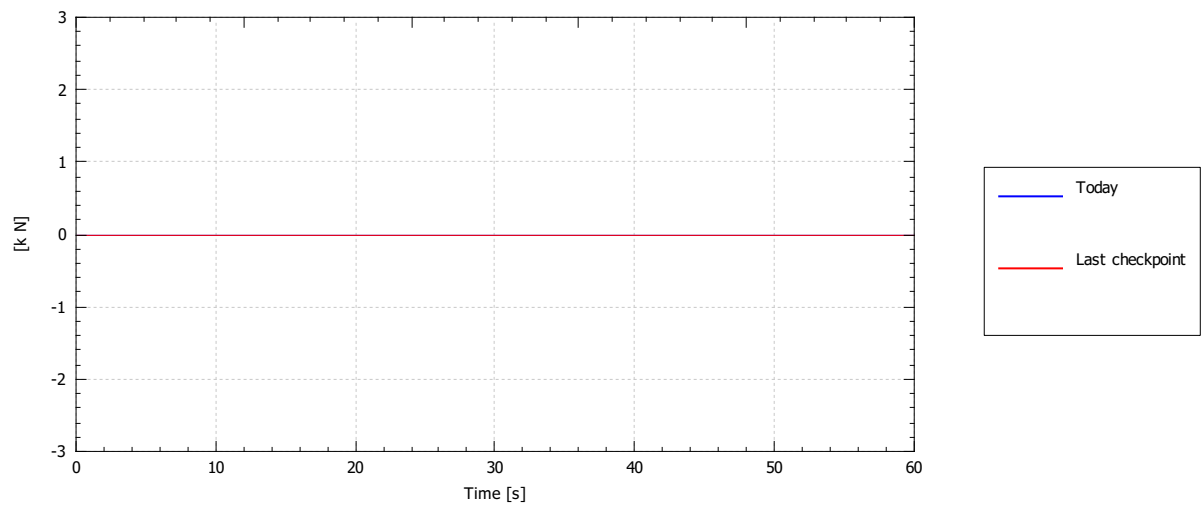


Beam element [Element 1 | Pendulum]

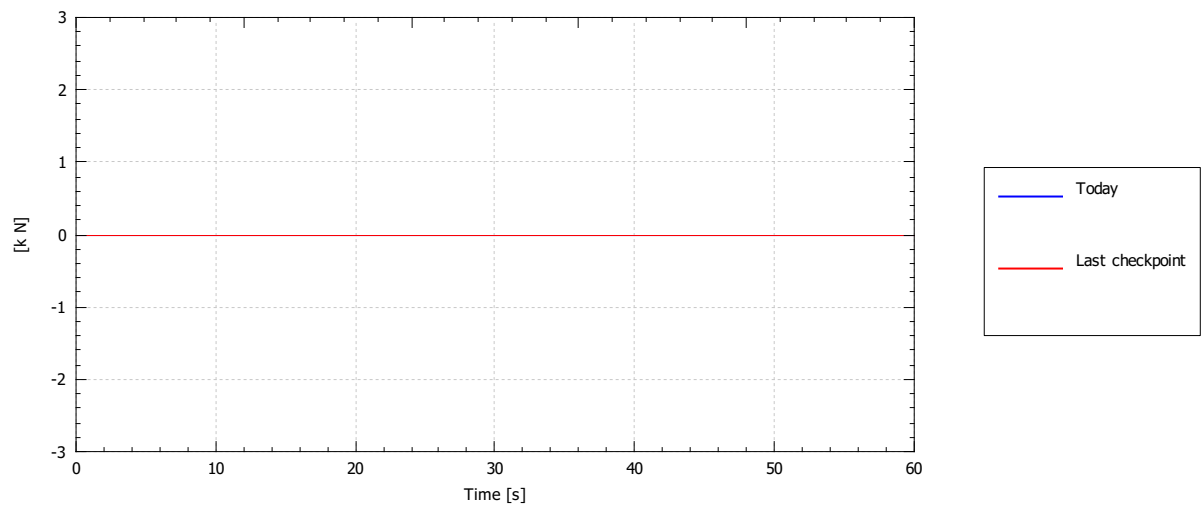
Axial force



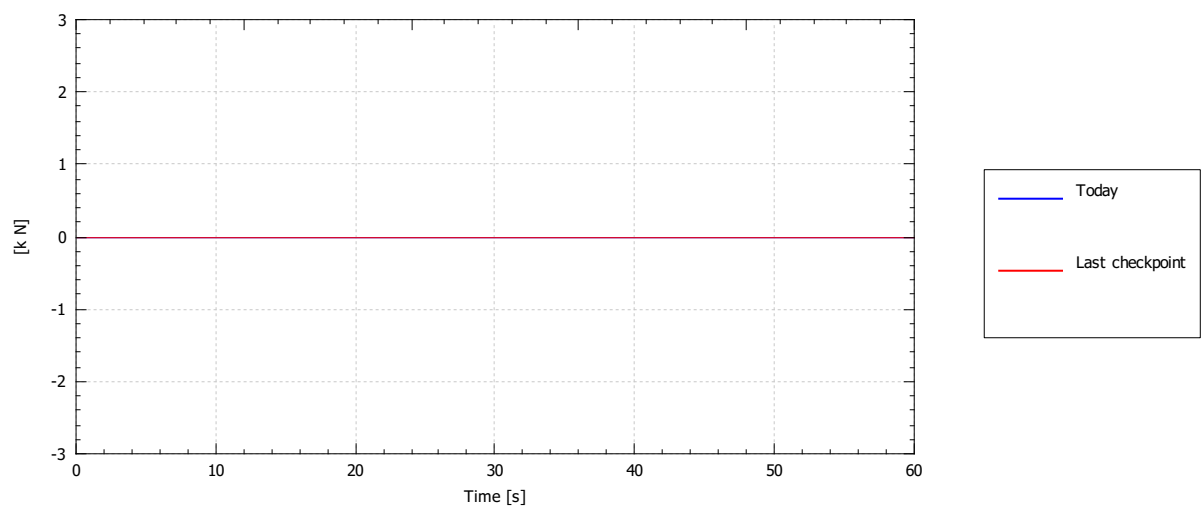
Shear force (1st prin. axis)



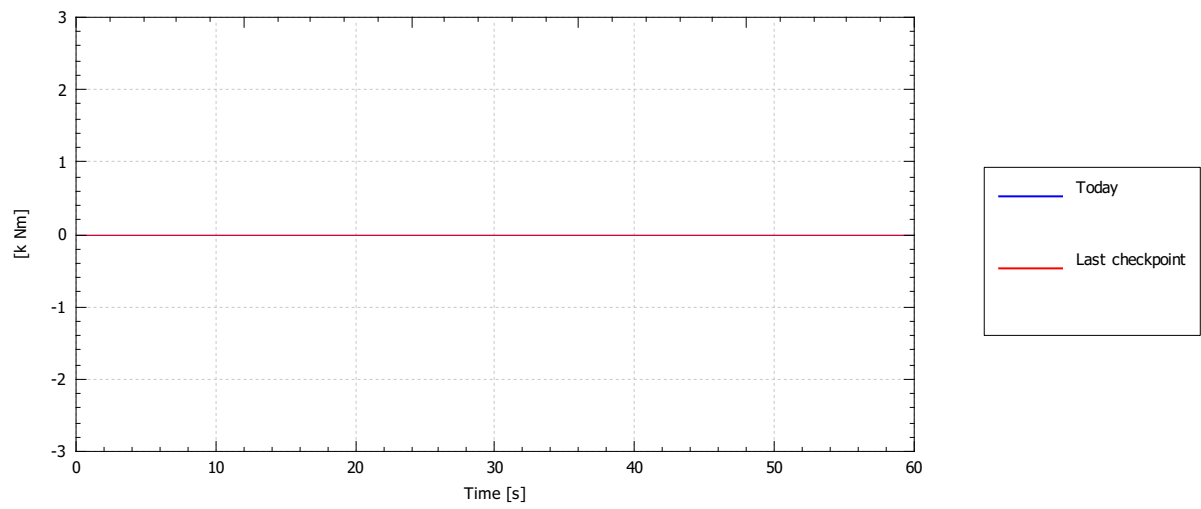
Shear force (2nd prin. axis)



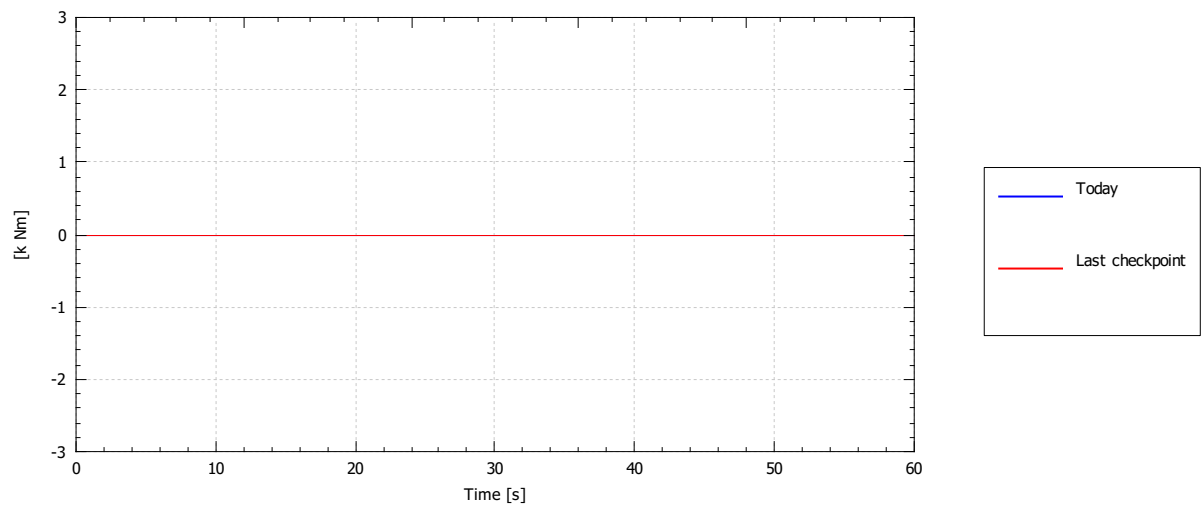
Shear force, mag.



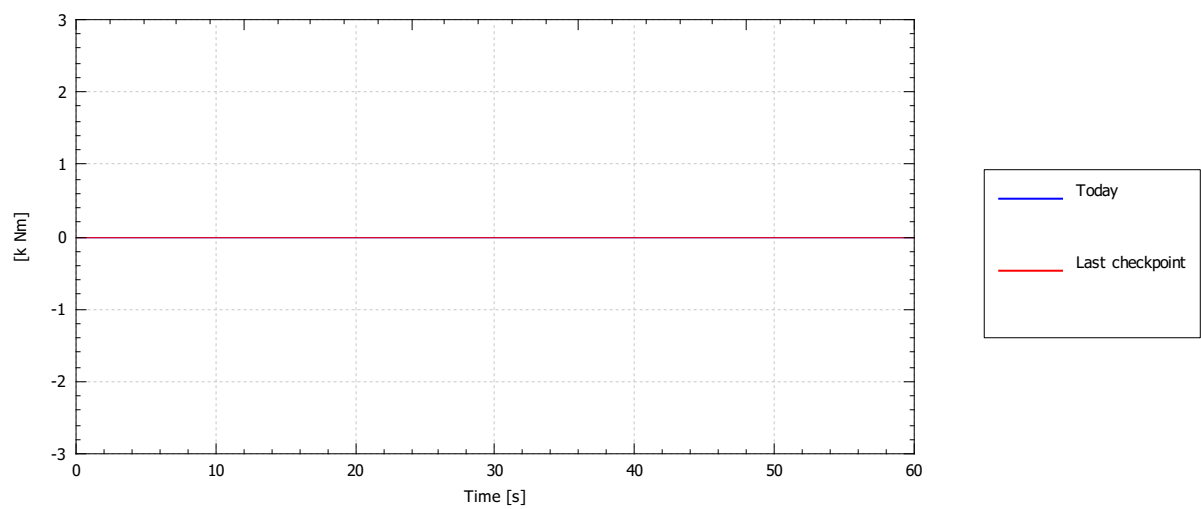
Torque

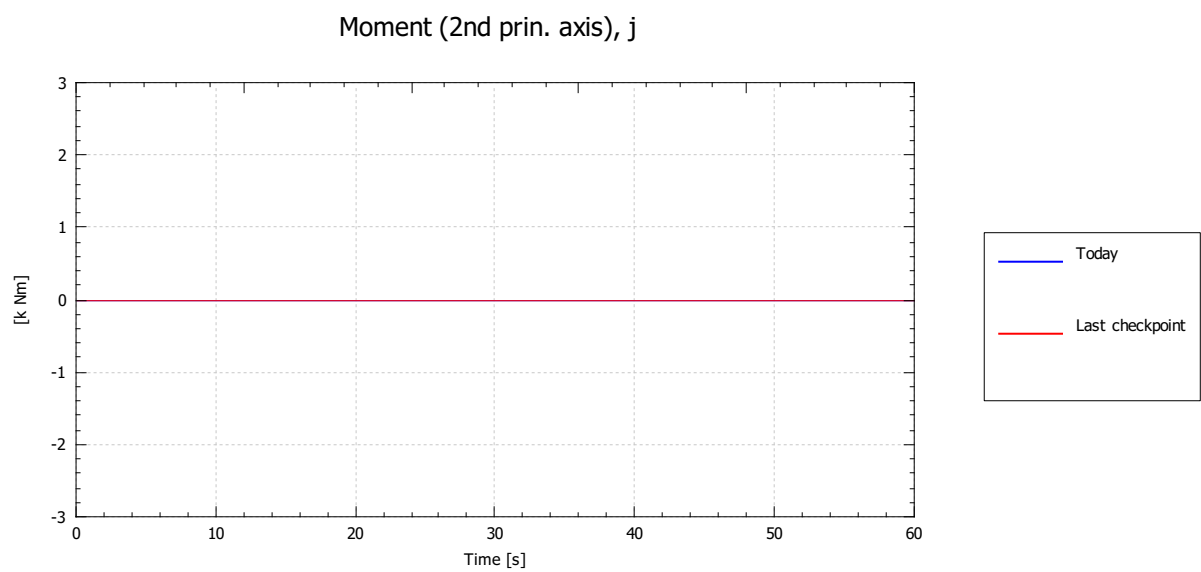
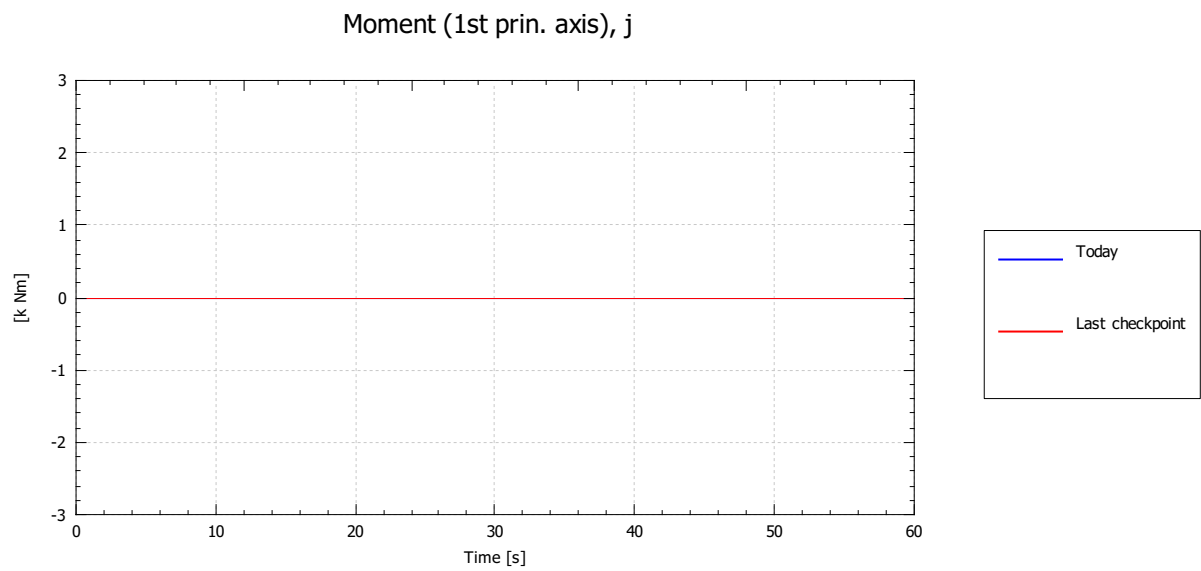
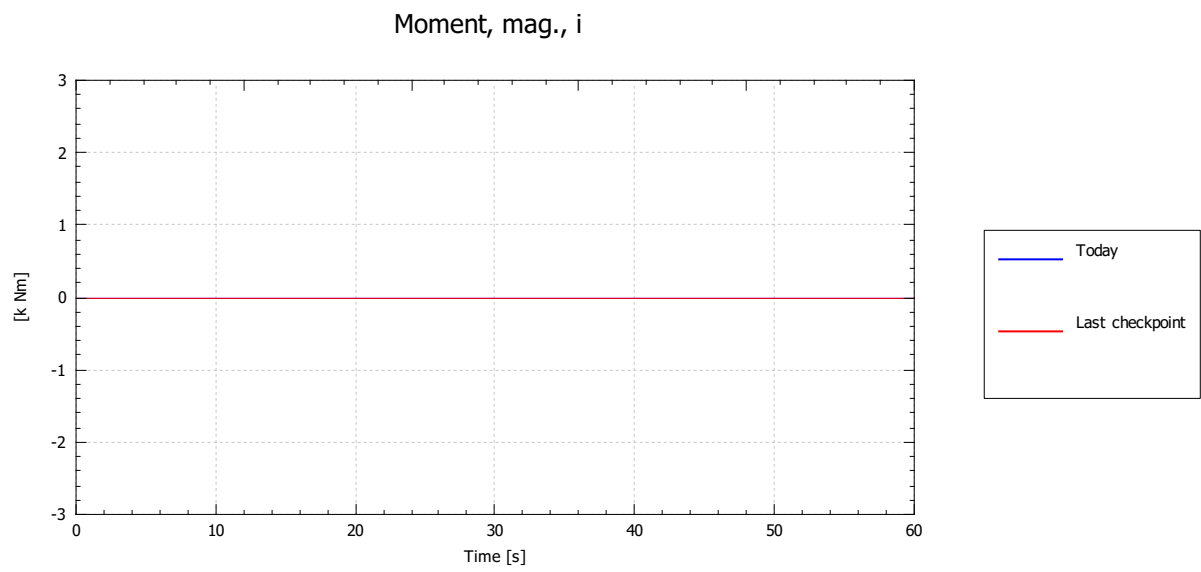


Moment (1st prin. axis), i

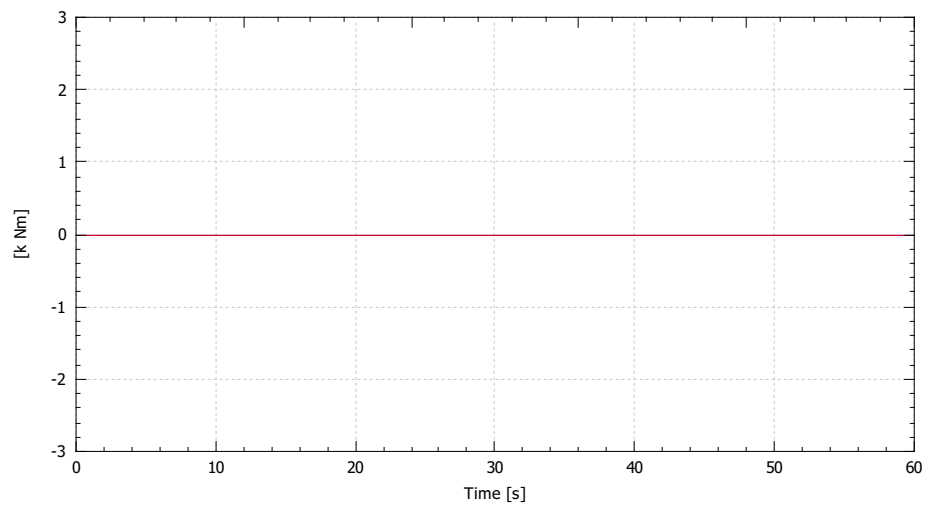


Moment (2nd prin. axis), i

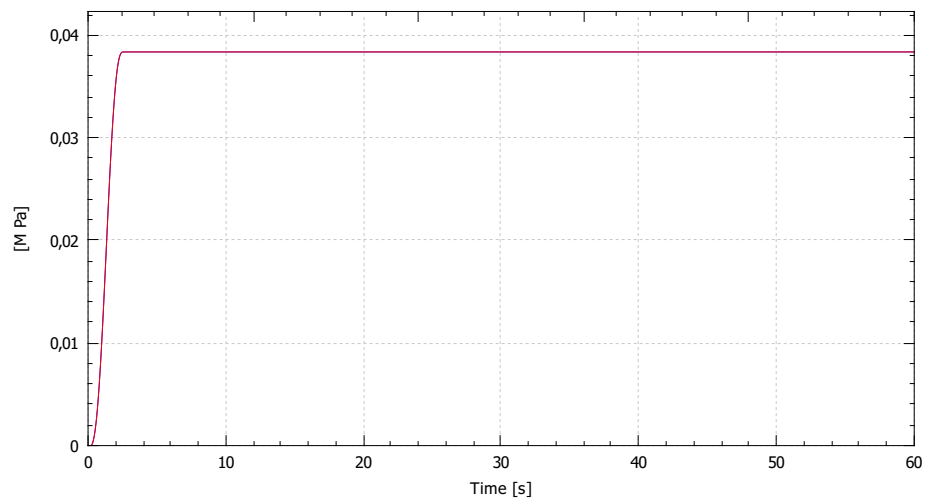




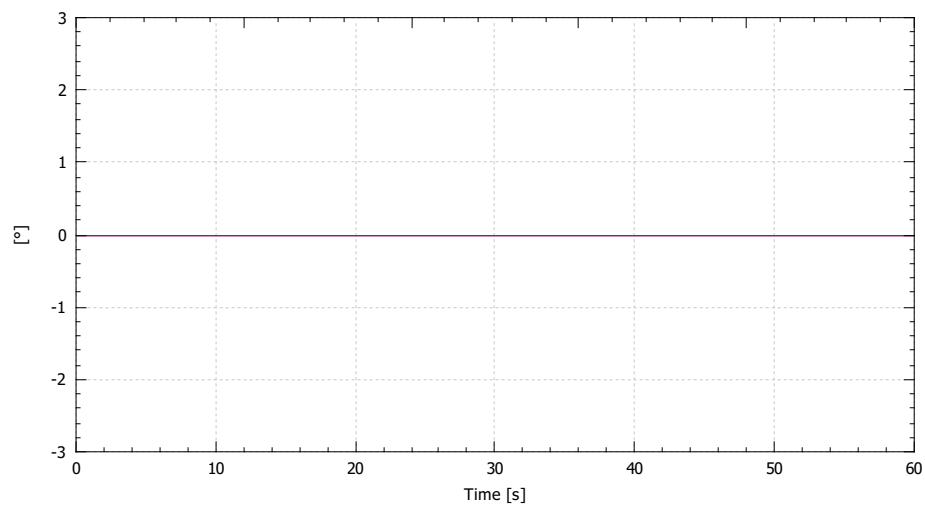
Moment, mag., j



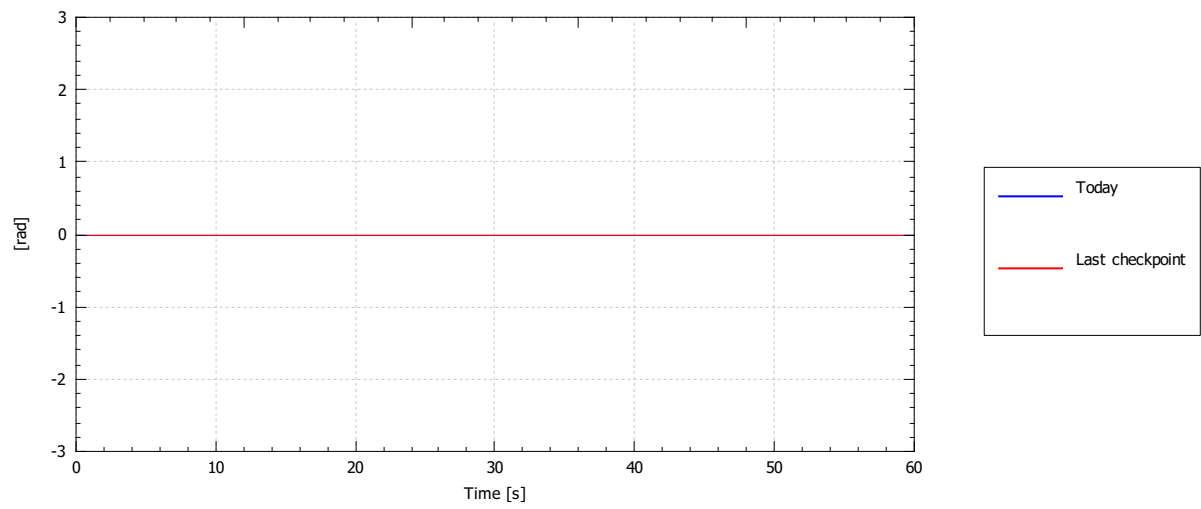
Max normal stress



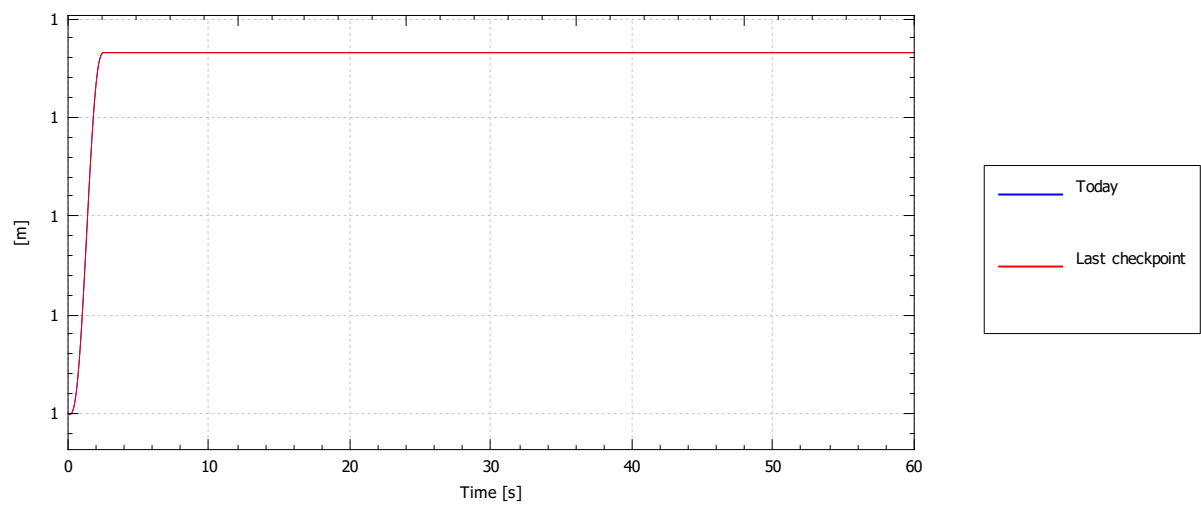
Twist (structural)



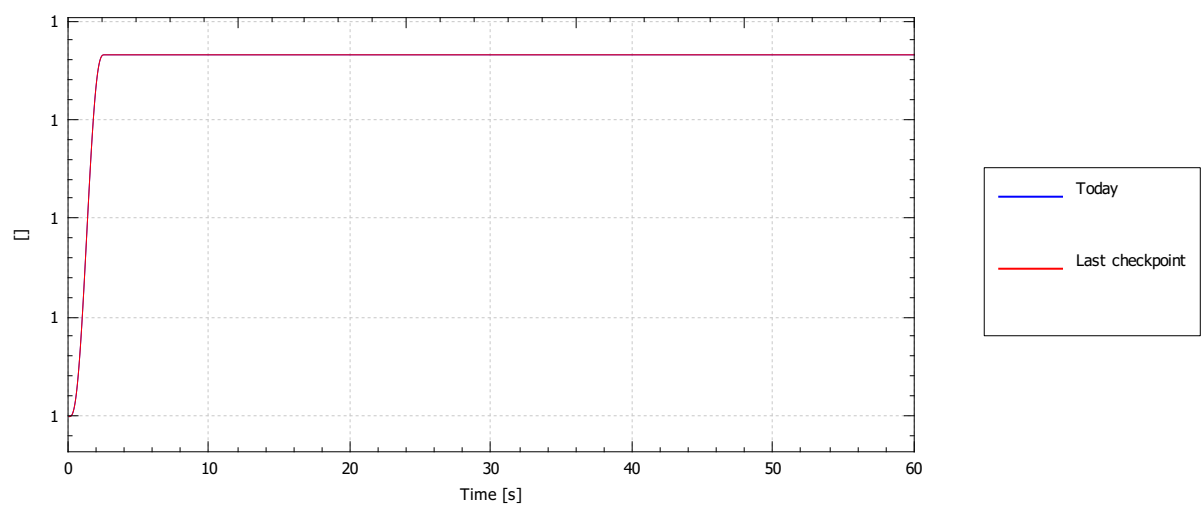
Twist (structural) - rad



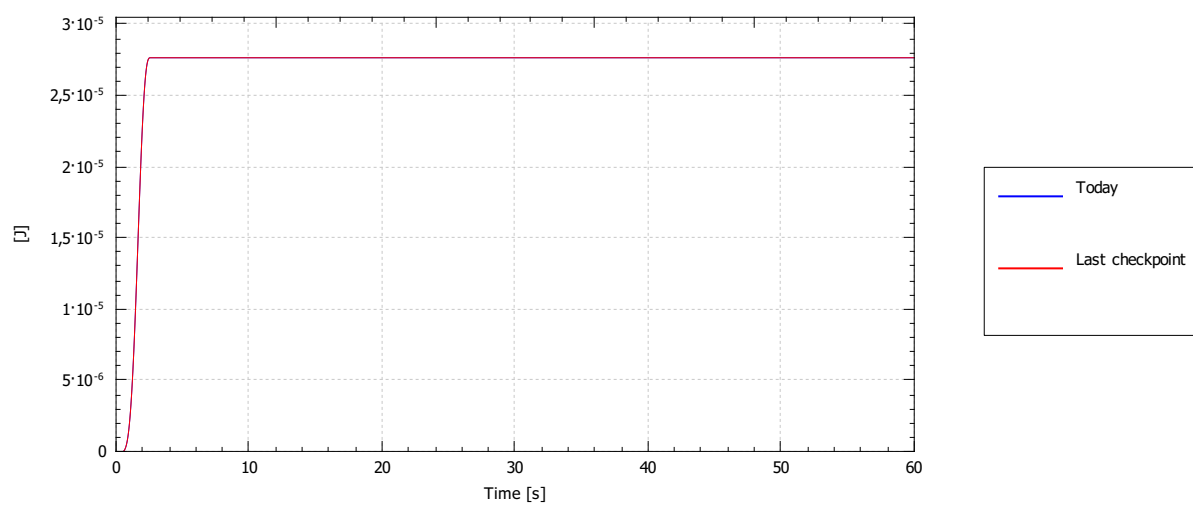
Deformed length



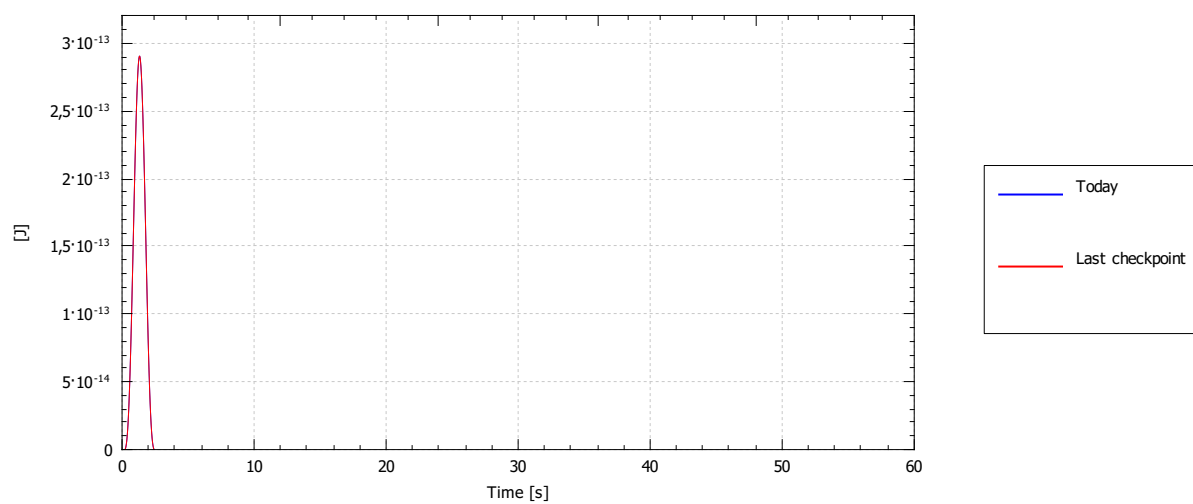
Elongation



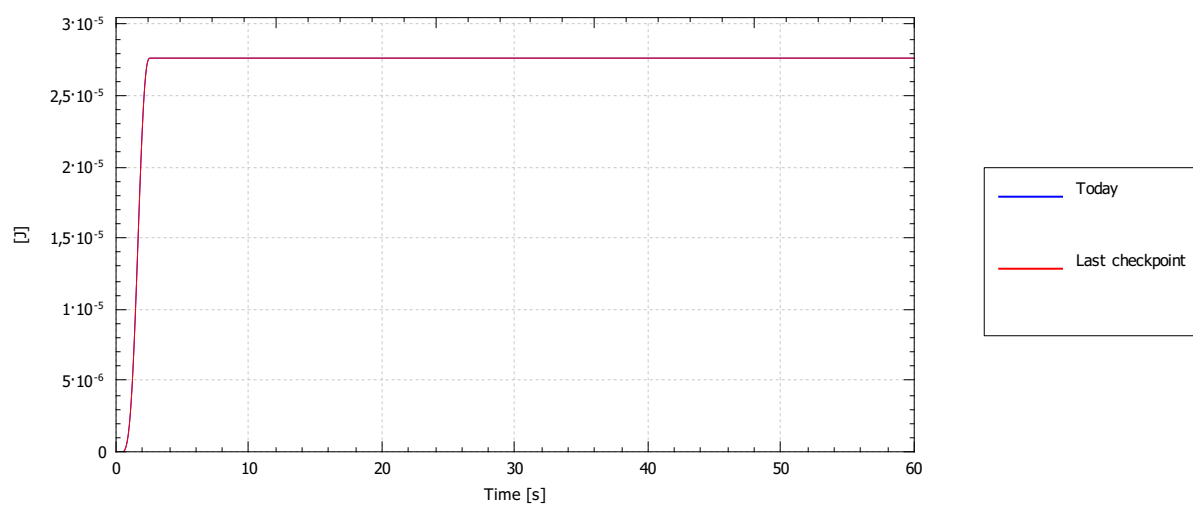
Strain energy



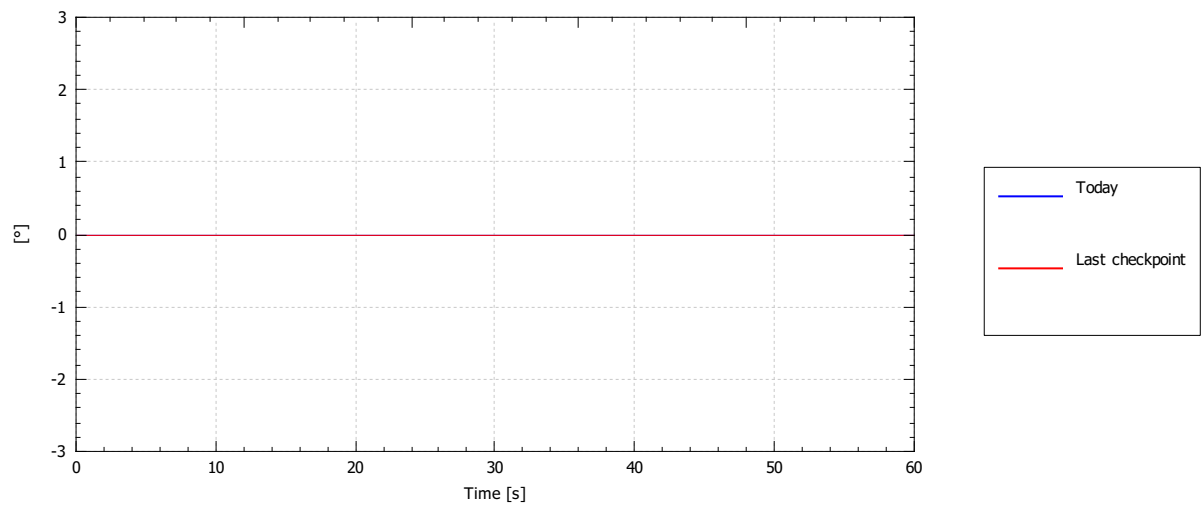
Kinetic energy



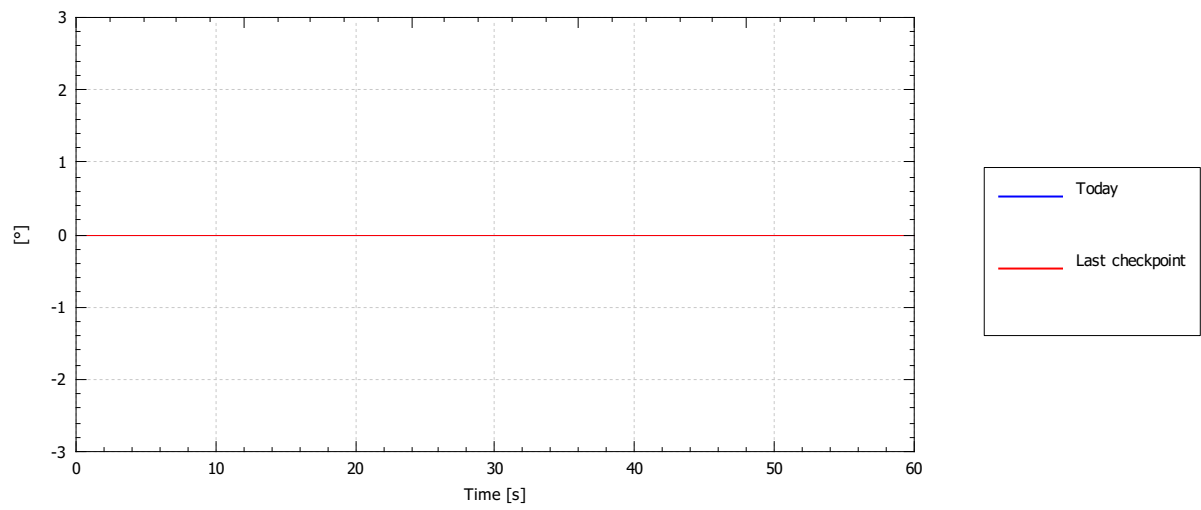
Mechanical energy



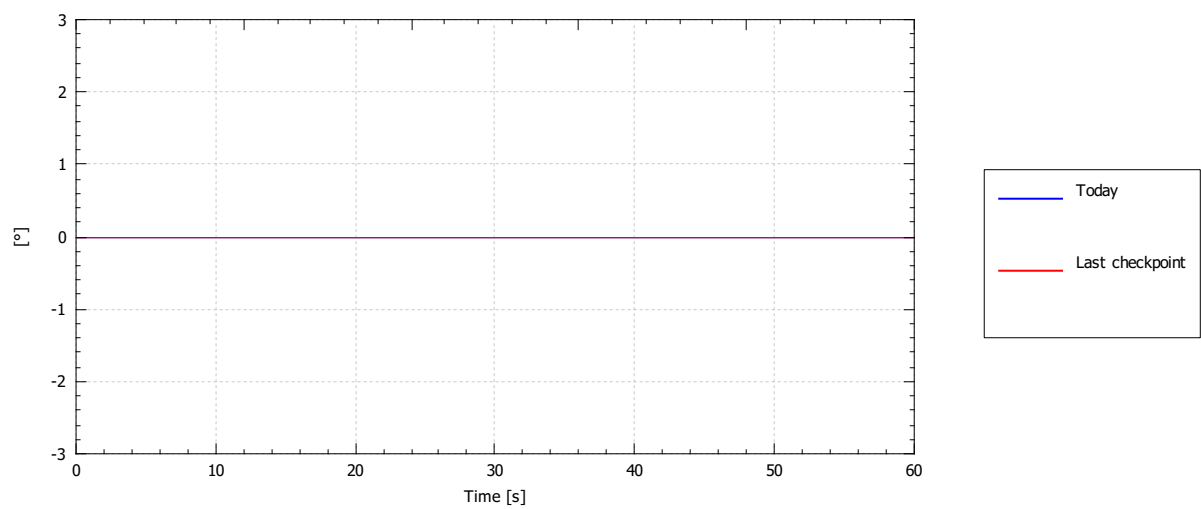
Deformational rotation (i)

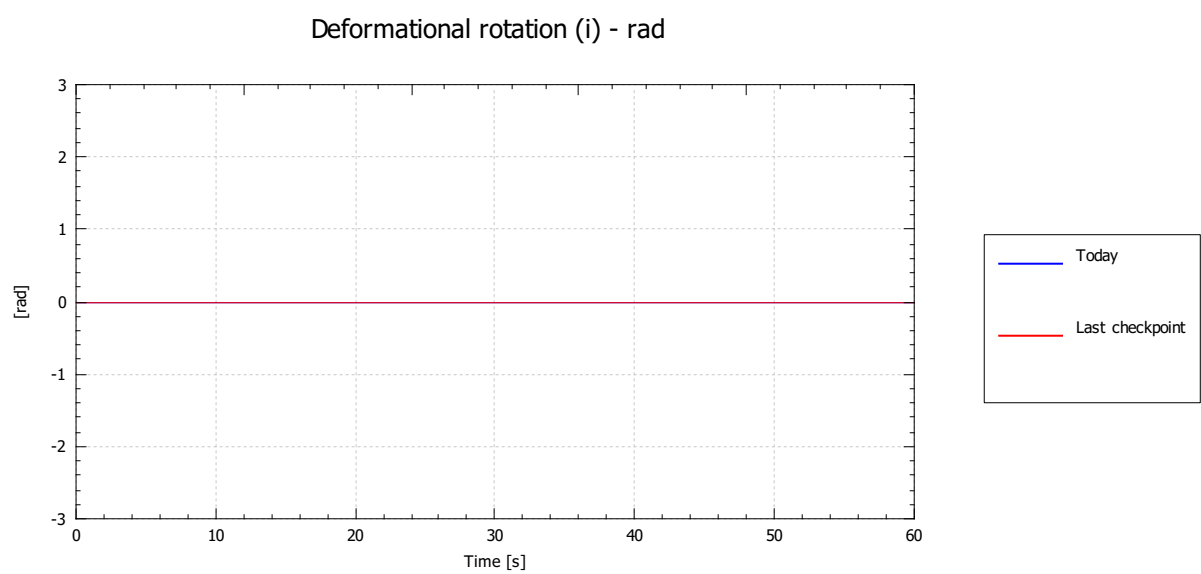
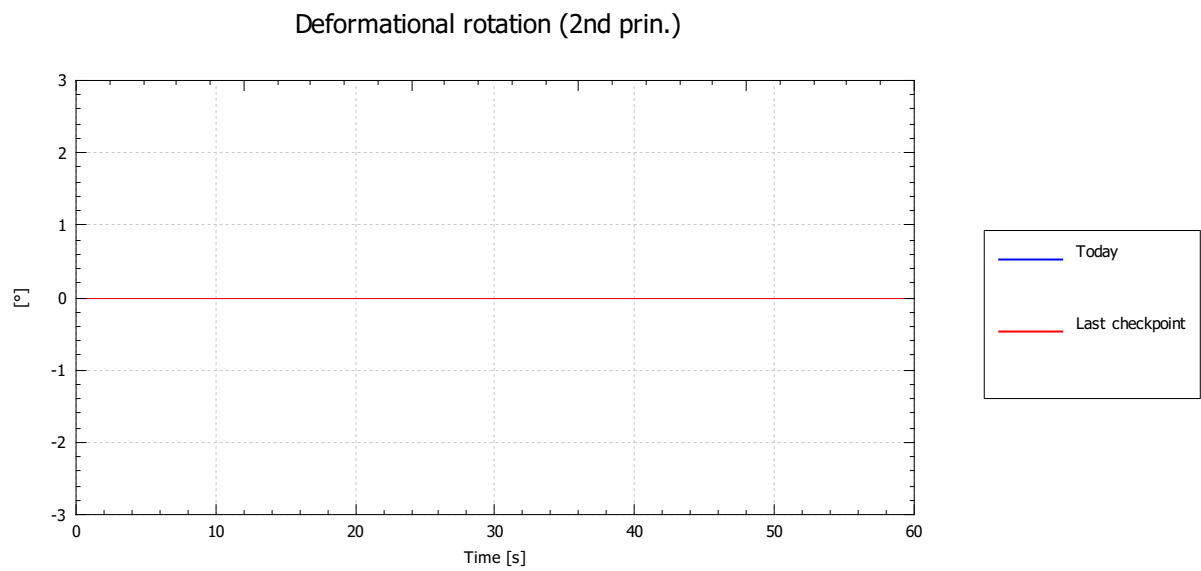
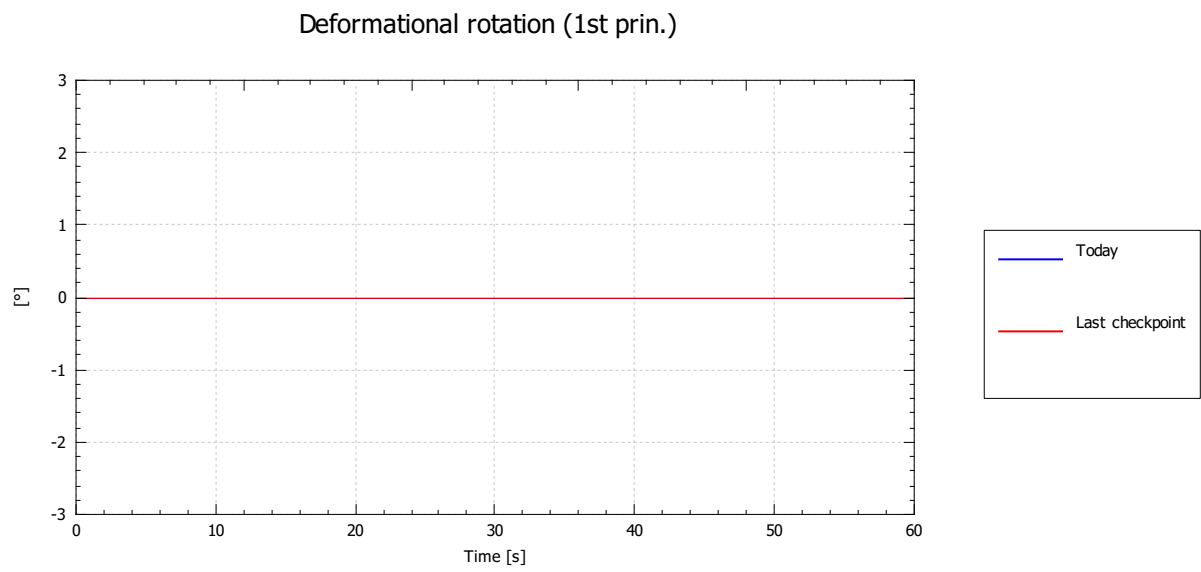


Deformational rotation (j)

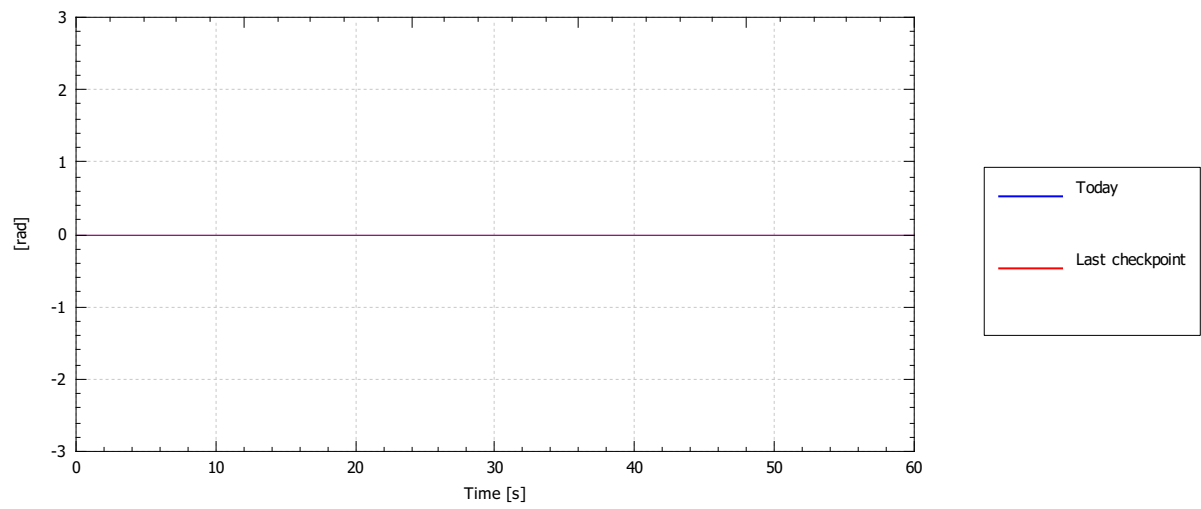


Deformational rotation (axial)

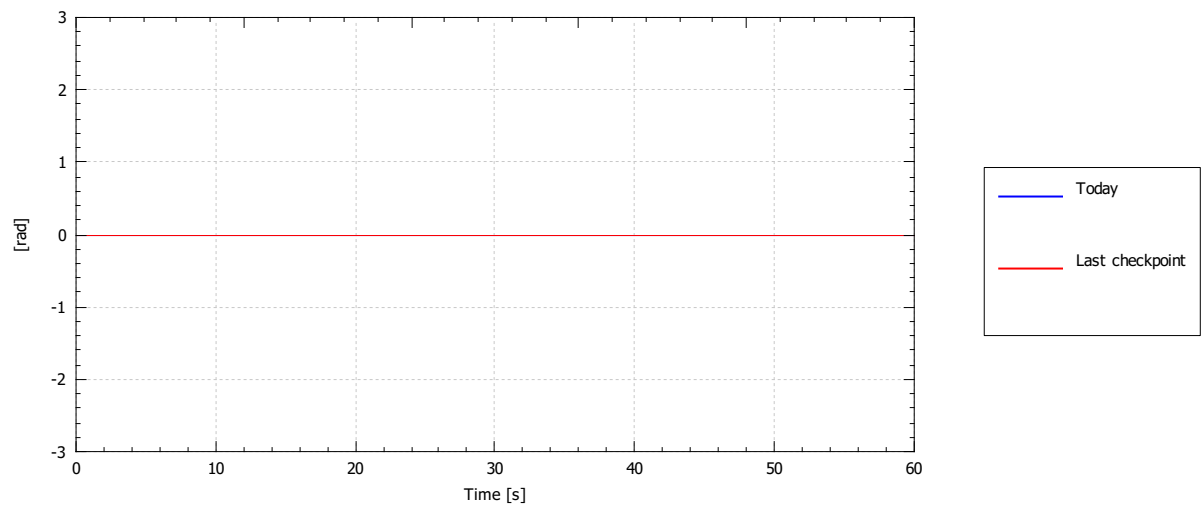




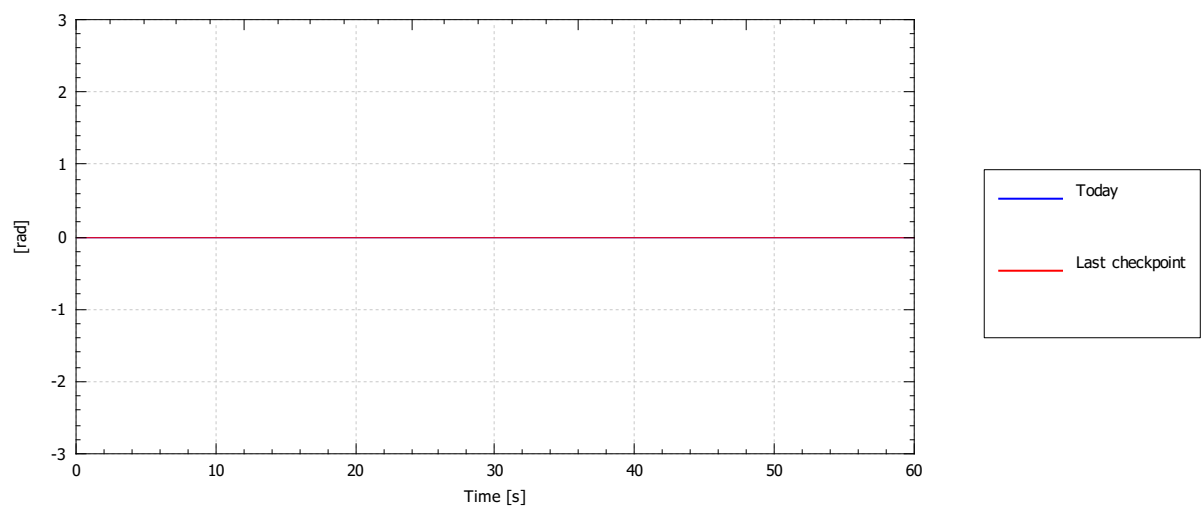
Deformational rotation (j) - rad



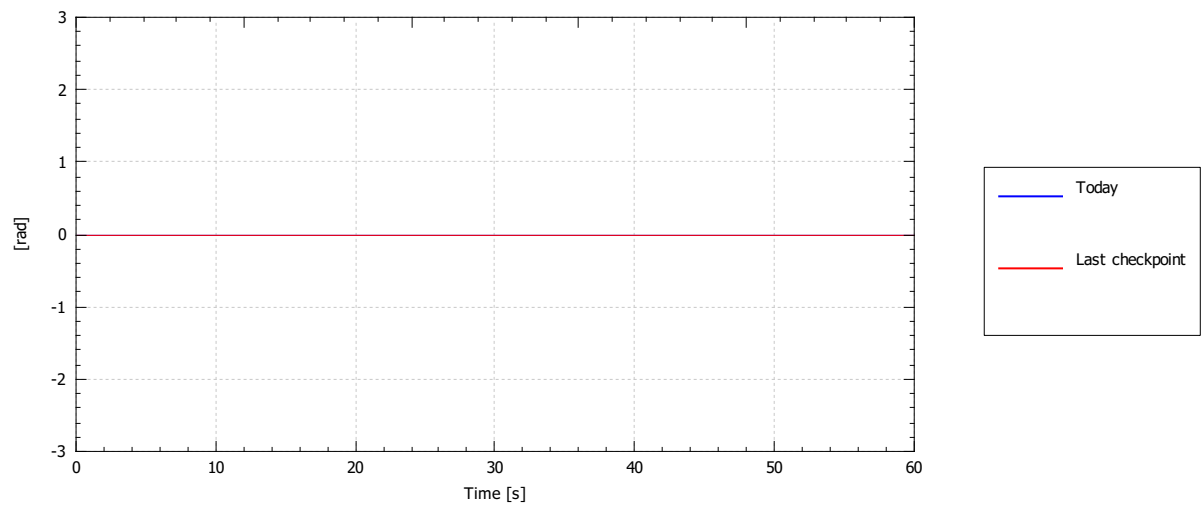
Deformational rotation (axial) - rad



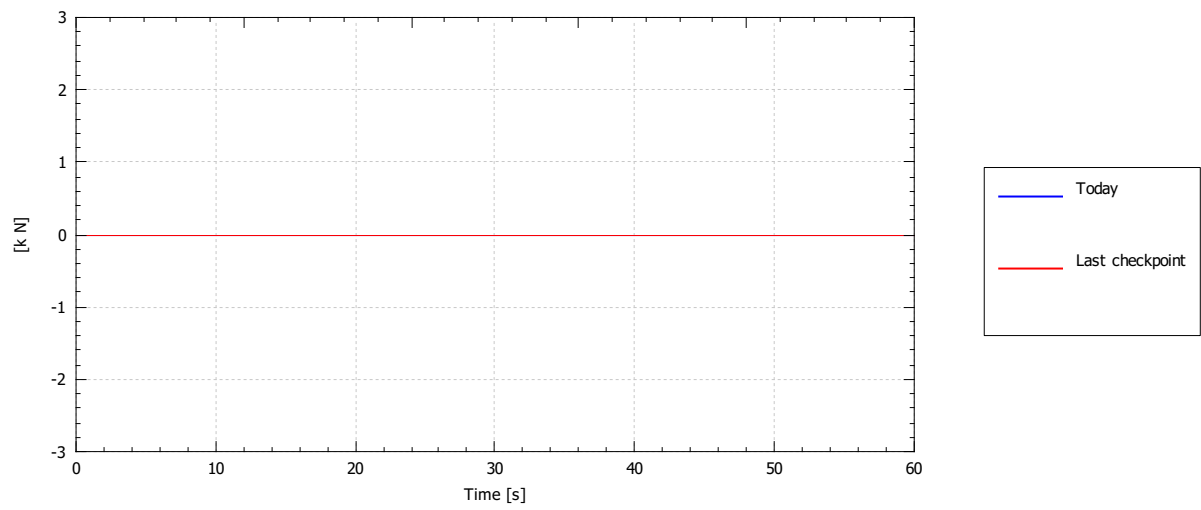
Deformational rotation (1st prin.) - rad



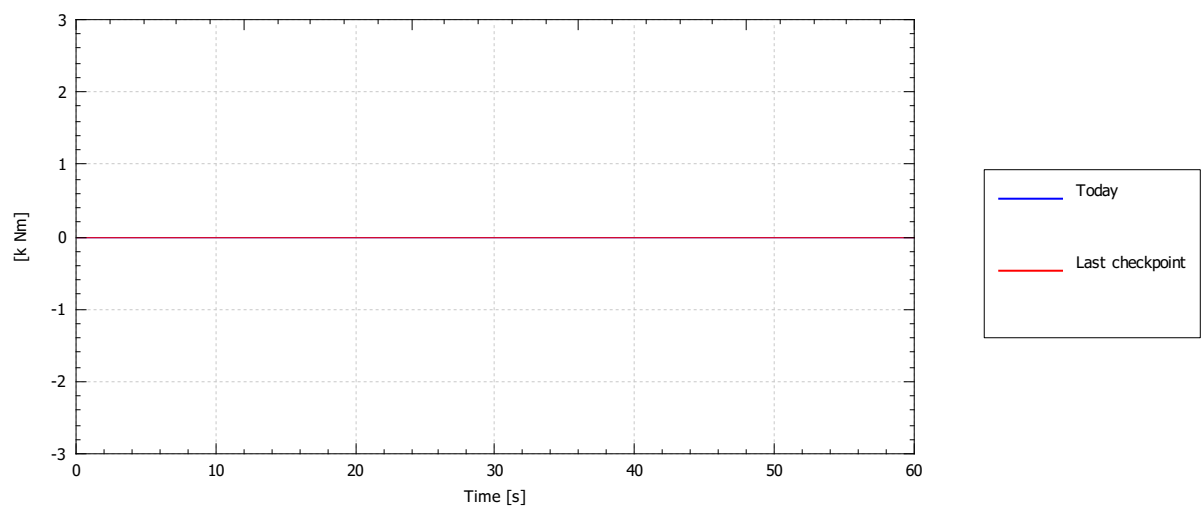
Deformational rotation (2nd prin.) - rad



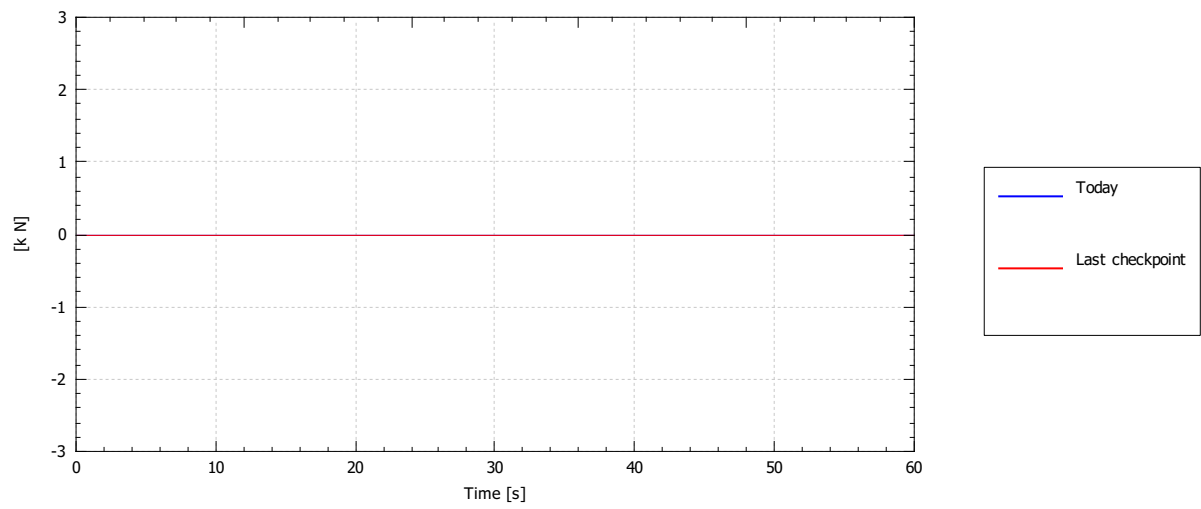
Damping force, i



Damping moment, i



Damping force, sum



Damping moment, sum

