

## Regression test

Test run started 2025-08-26T18:44:06Z

Ashes version: 3.32.0

Comparing with external results

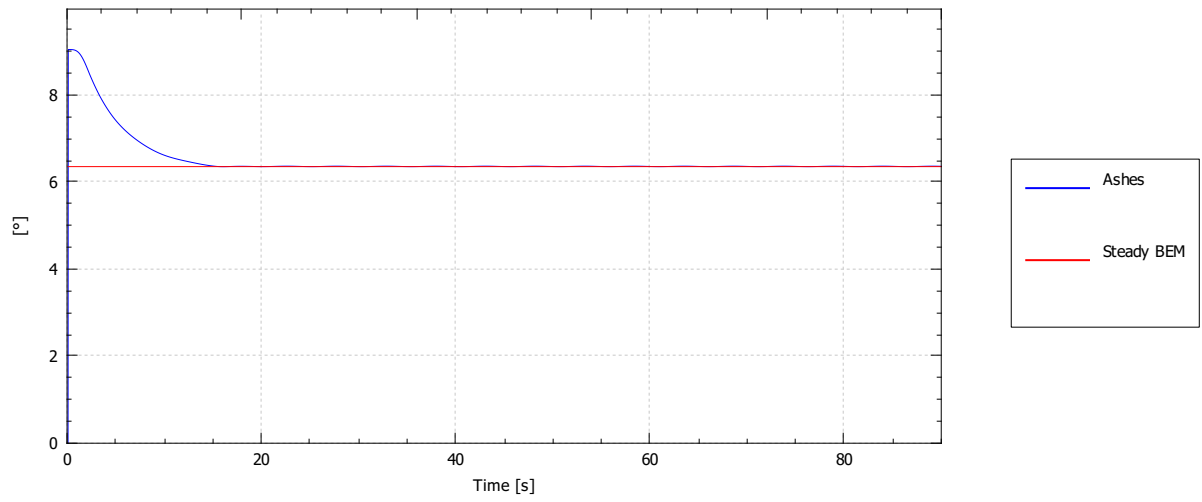
BEM - velocity triangle video			
Load case set 1			
Load case	Time series	Error score	Result
Steady BEM	Angle of attack	0.001593	PASS
	Cd	0.000298	PASS
	Cl	0.001597	PASS
	Cm	0.000161	PASS
	Relative wind speed	0.000544	PASS
	Reynolds number	0.000336	PASS
	Mach number	0.000624	PASS
	Axial induction factor	0.000059	PASS
	Tangential induction factor	0.000986	PASS
	Induced velocity	0.000046	PASS
	Tangential induced velocity	0.000677	PASS
	Lift force, distr.	0.000058	PASS
	Drag force, distr.	0.000442	PASS
	Pitching moment, distr.	0.001003	PASS
	Thrust force, distr.	0.000209	PASS
Torque force, distr.	0.000713	PASS	
Unsteady BEM	Angle of attack	0.001632	PASS
	Cd	0.000304	PASS
	Cl	0.001643	PASS
	Cm	0.000165	PASS
	Relative wind speed	0.000555	PASS
	Reynolds number	0.000340	PASS
	Mach number	0.000647	PASS
	Axial induction factor	0.000041	PASS
	Tangential induction factor	0.000766	PASS
	Induced velocity	0.000011	PASS
	Tangential induced velocity	0.000465	PASS
	Lift force, distr.	0.000089	PASS
	Drag force, distr.	0.000451	PASS
	Pitching moment, distr.	0.001021	PASS
	Thrust force, distr.	0.000242	PASS
Torque force, distr.	0.000732	PASS	

Steady BEM - Flexible blades	Angle of attack	0.003631	PASS
	Cd	0.000952	PASS
	Cl	0.003174	PASS
	Cm	0.000370	PASS
	Relative wind speed	0.001306	PASS
	Reynolds number	0.001032	PASS
	Mach number	0.001384	PASS
	Axial induction factor	0.000094	PASS
	Tangential induction factor	0.002830	PASS
	Induced velocity	0.000032	PASS
	Tangential induced velocity	0.001540	PASS
	Lift force, distr.	0.000107	PASS
	Drag force, distr.	0.001272	PASS
	Pitching moment, distr.	0.002316	PASS
	Thrust force, distr.	0.000182	PASS
Torque force, distr.	0.000515	PASS	
Unsteady BEM - Flexible blades	Angle of attack	0.003822	PASS
	Cd	0.001017	PASS
	Cl	0.003323	PASS
	Cm	0.000390	PASS
	Relative wind speed	0.001378	PASS
	Reynolds number	0.000623	PASS
	Mach number	0.000975	PASS
	Axial induction factor	0.000650	PASS
	Tangential induction factor	0.003814	PASS
	Induced velocity	0.000781	PASS
	Tangential induced velocity	0.002560	PASS
	Lift force, distr.	0.001050	PASS
	Drag force, distr.	0.001365	PASS
	Pitching moment, distr.	0.002445	PASS
	Thrust force, distr.	0.001112	PASS
Torque force, distr.	0.000955	PASS	

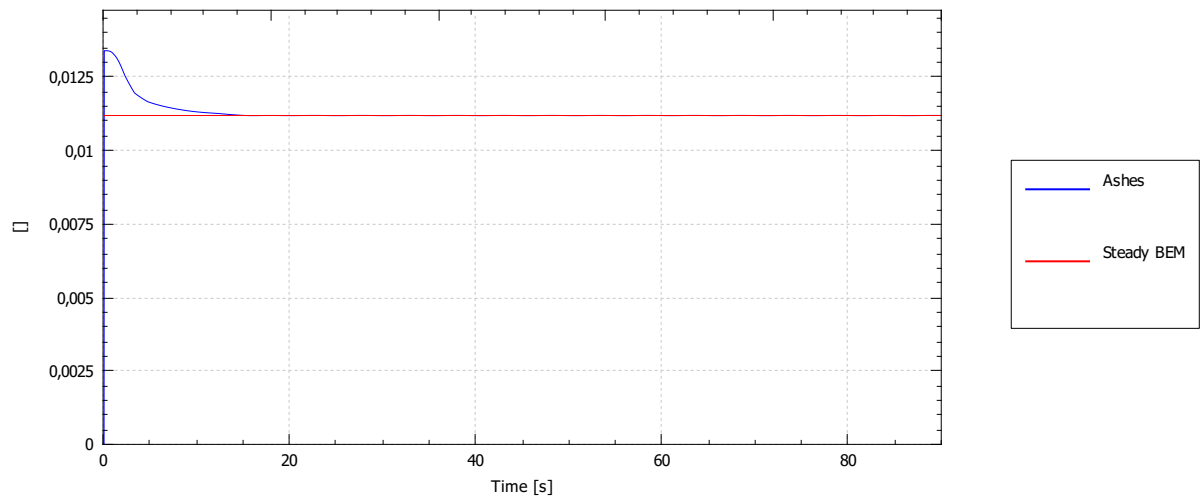
**Load case: Steady BEM**

**Blade- Station [Blade 1] 7**

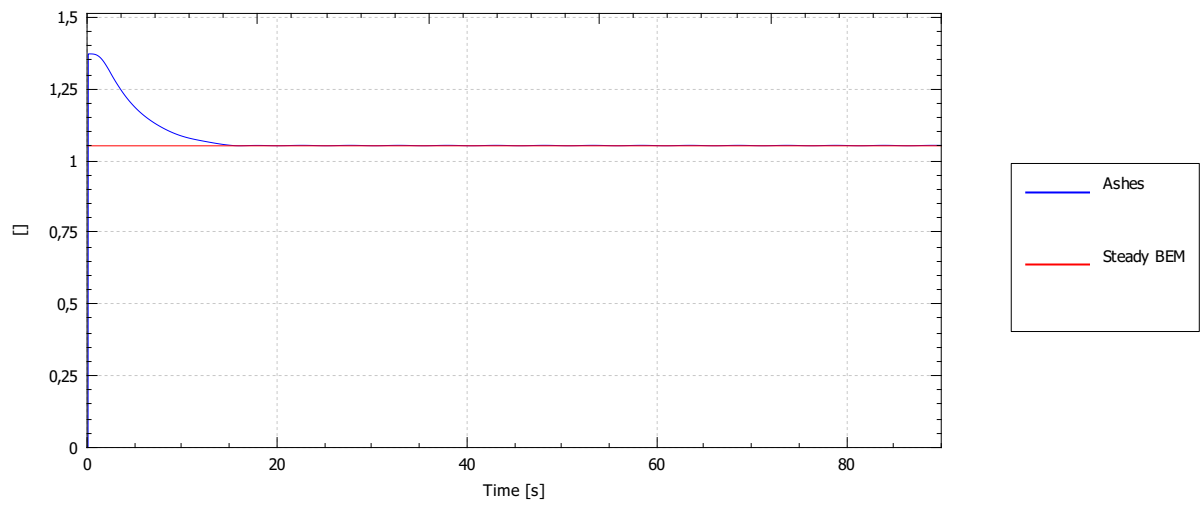
### Angle of attack



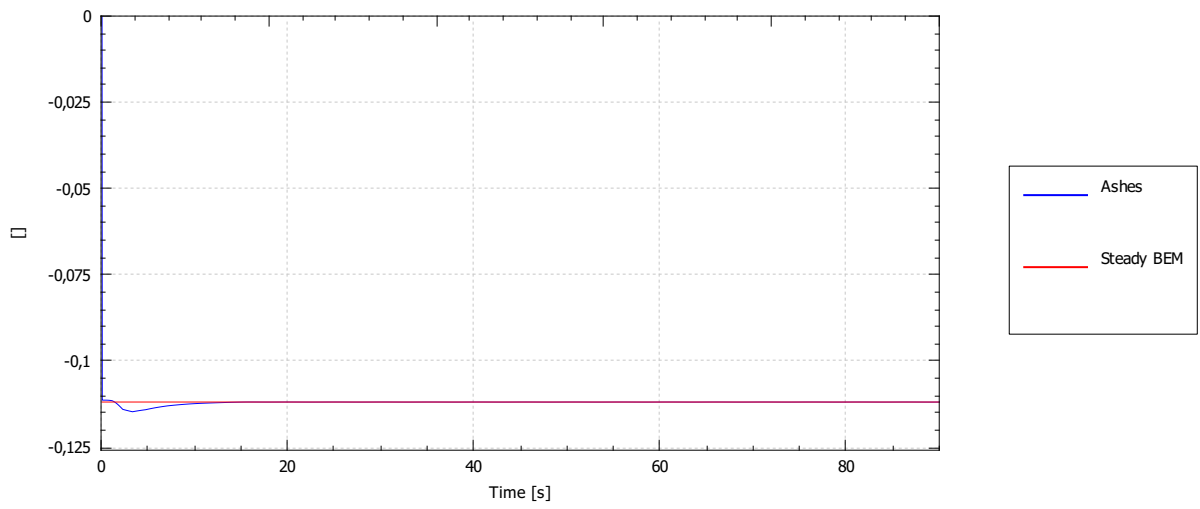
### Cd



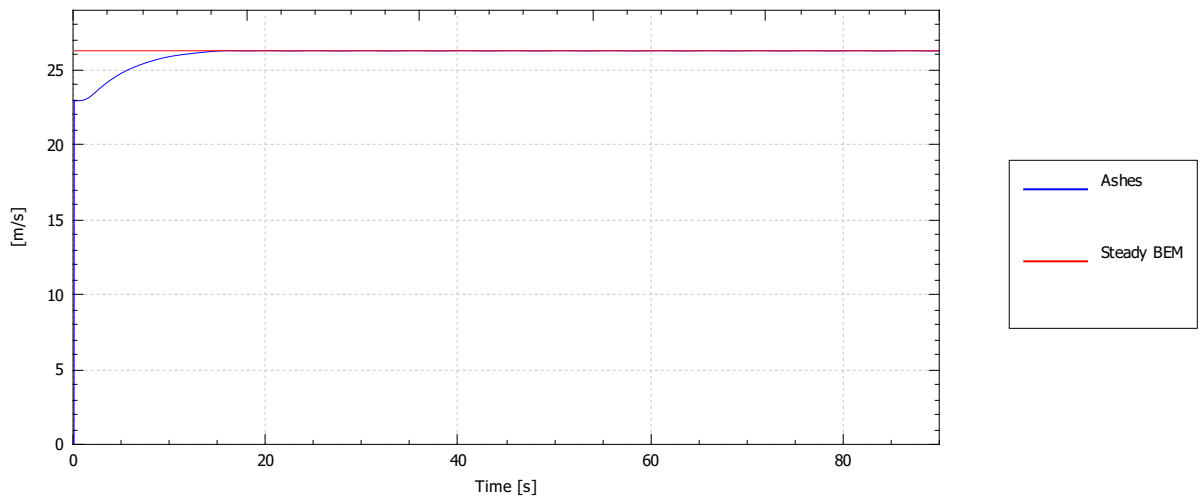
### Cl



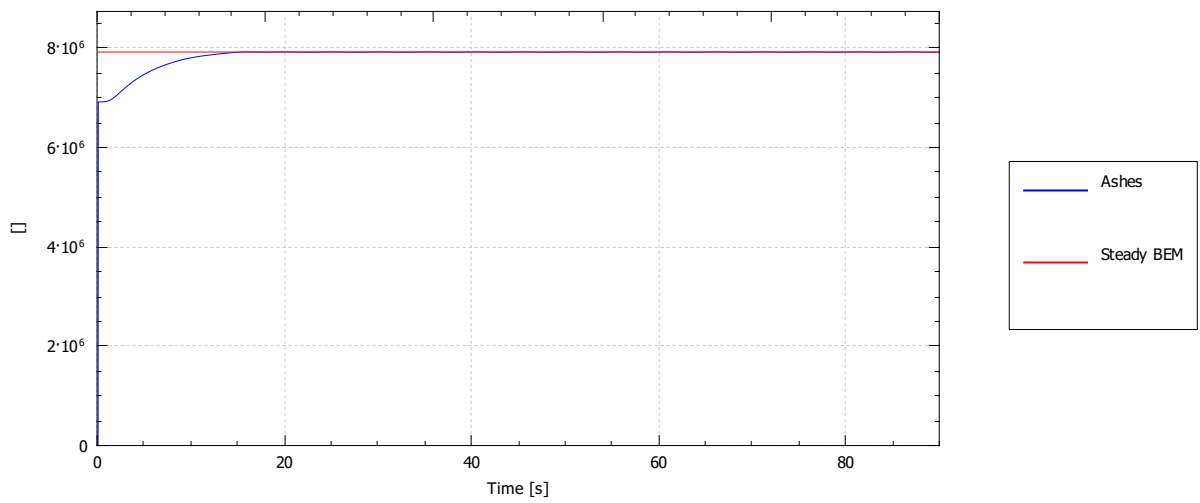
### Cm



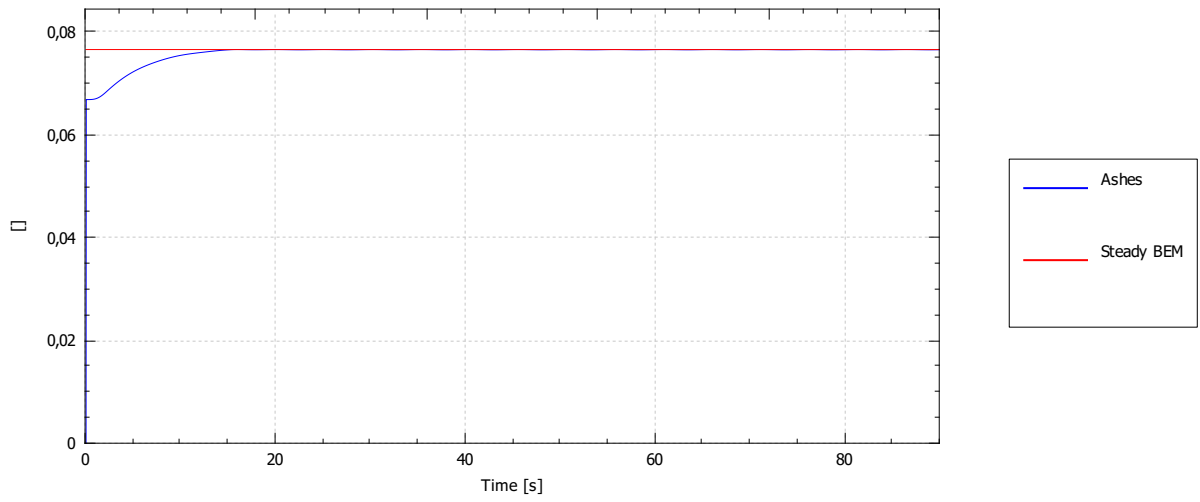
### Relative wind speed



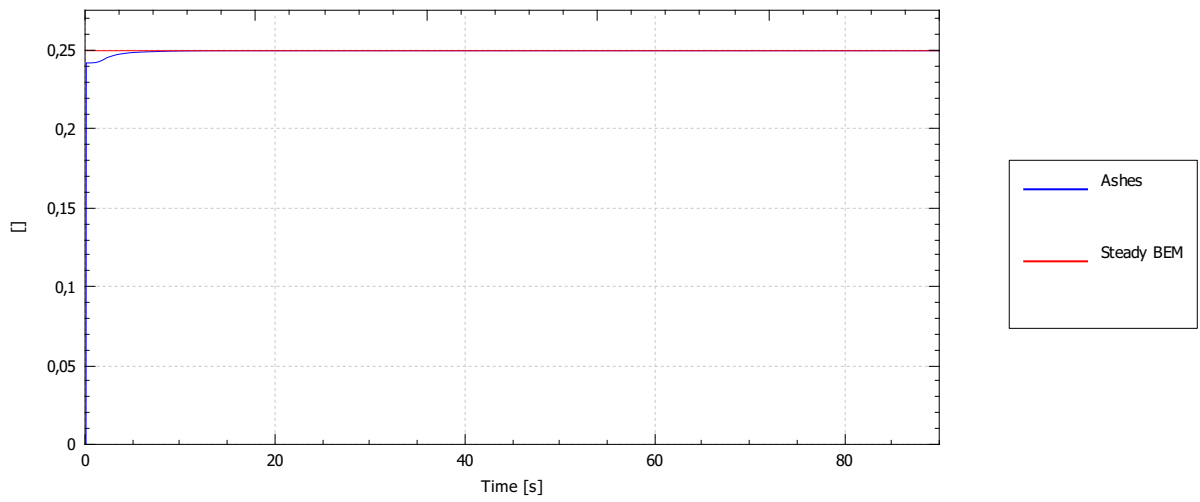
### Reynolds number



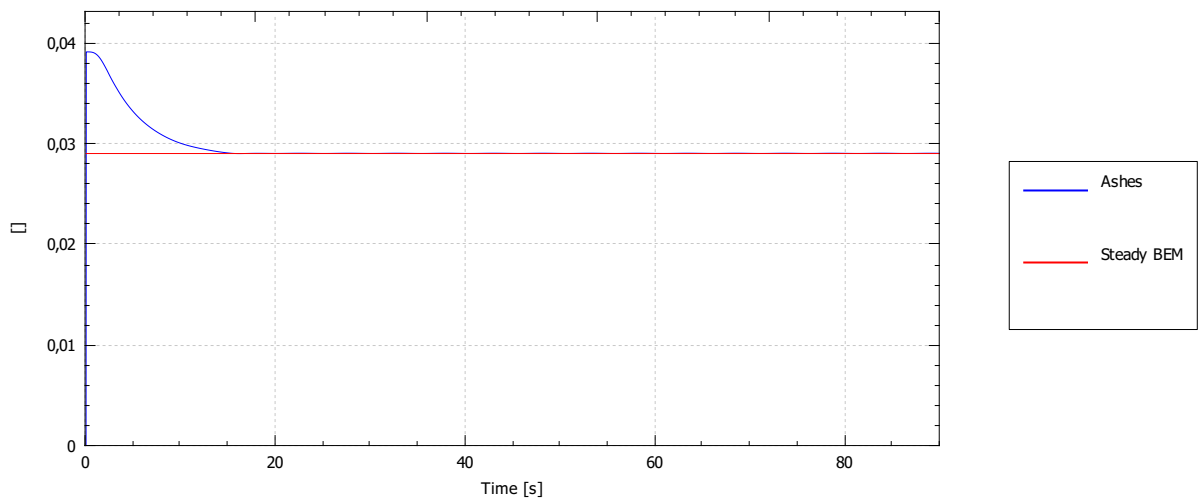
### Mach number



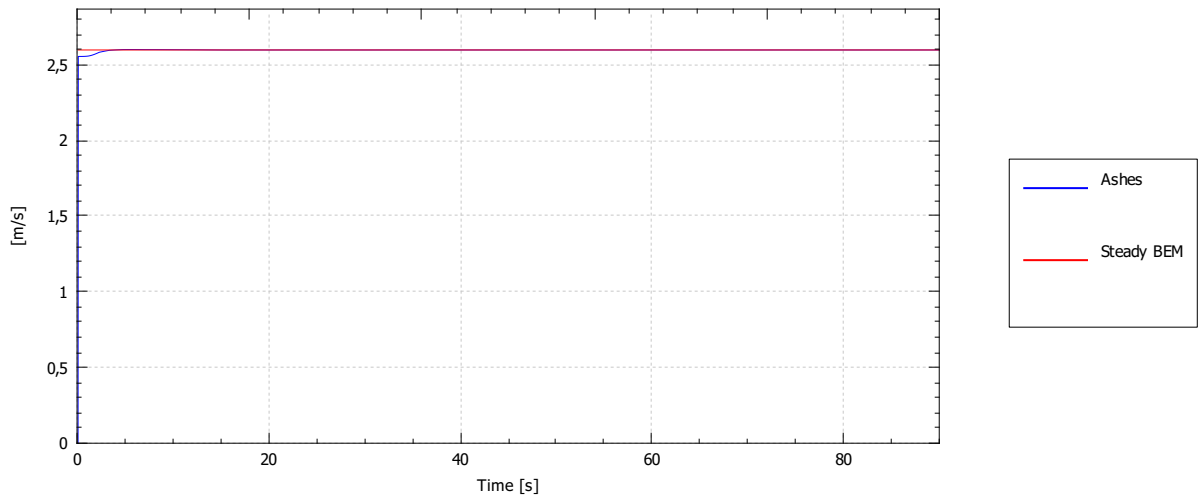
### Axial induction factor



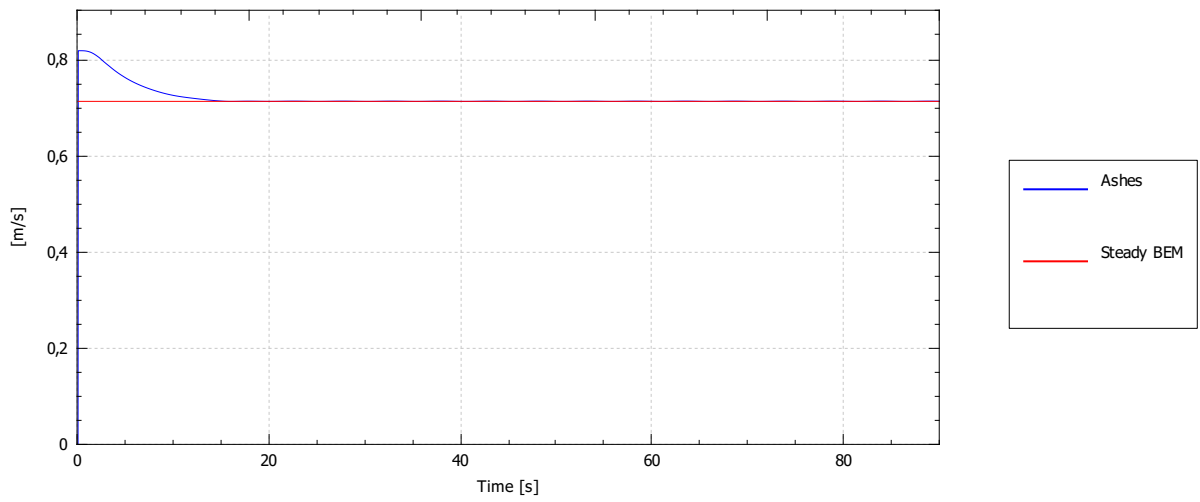
### Tangential induction factor



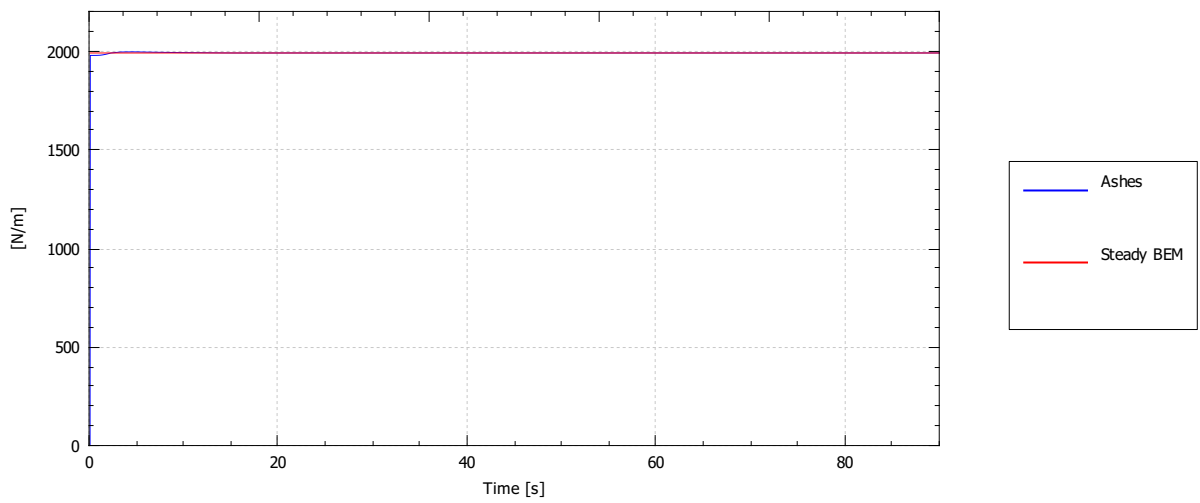
Induced velocity



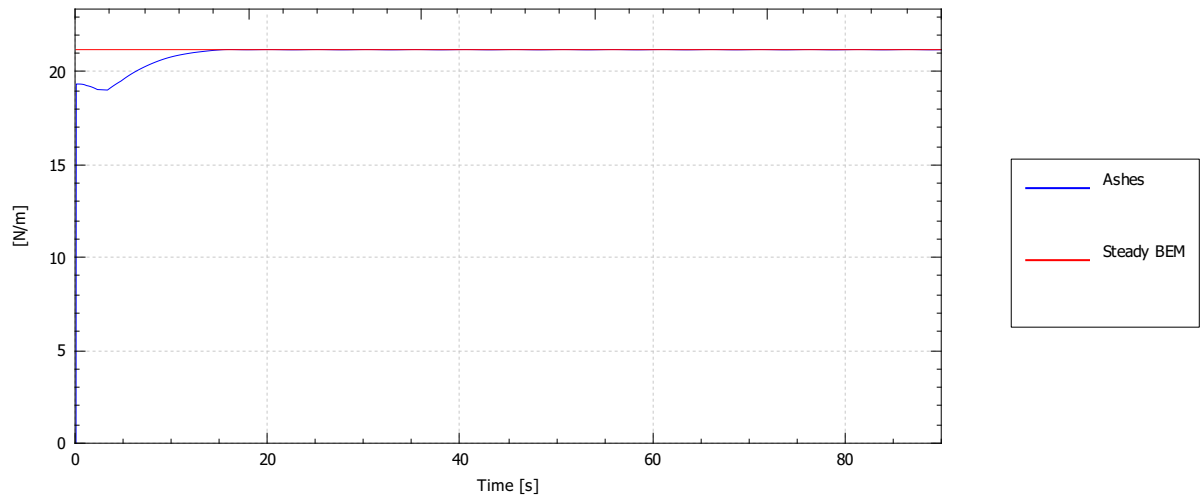
Tangential induced velocity



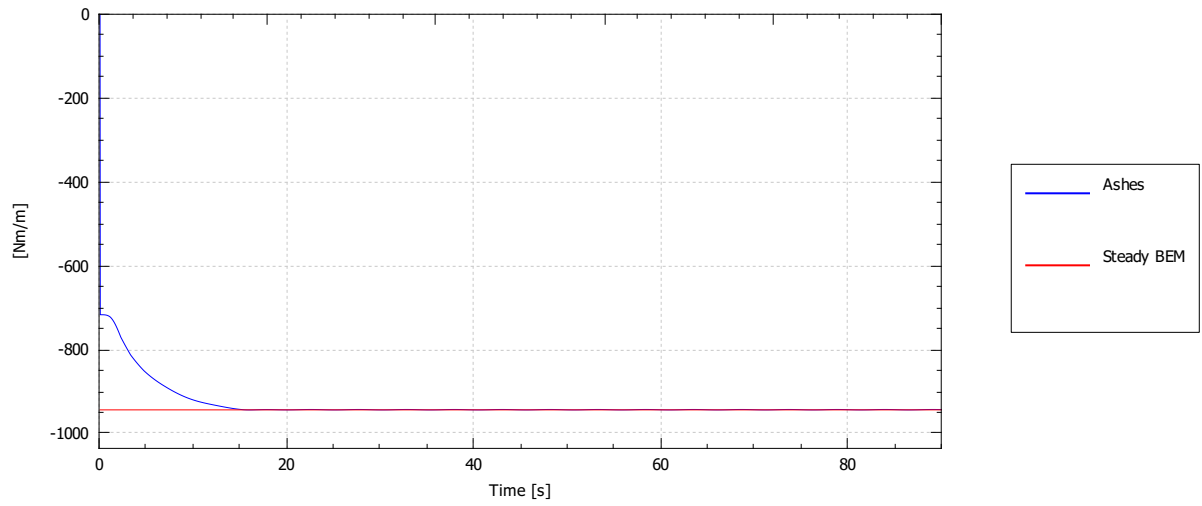
Lift force, distr.



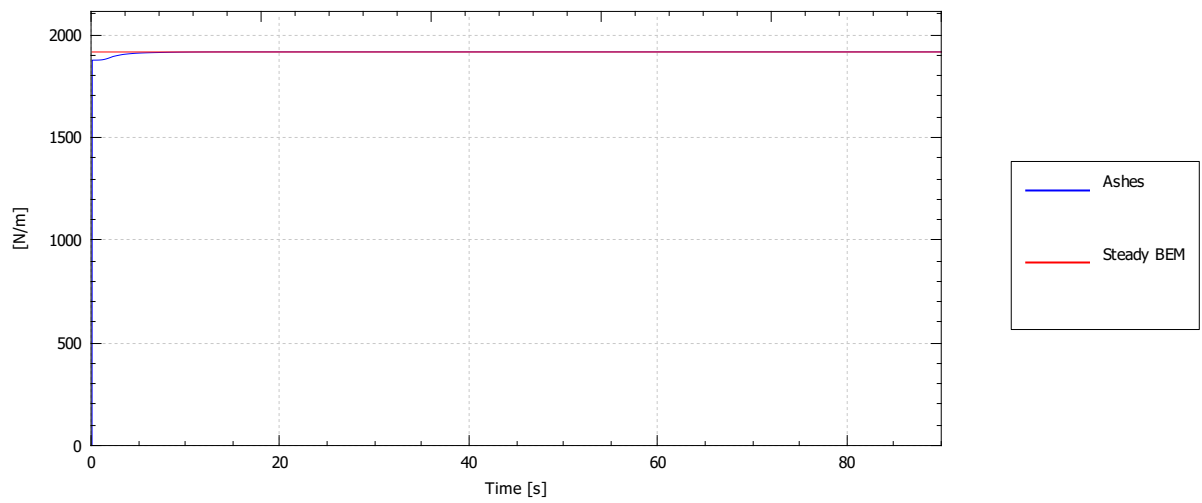
Drag force, distr.



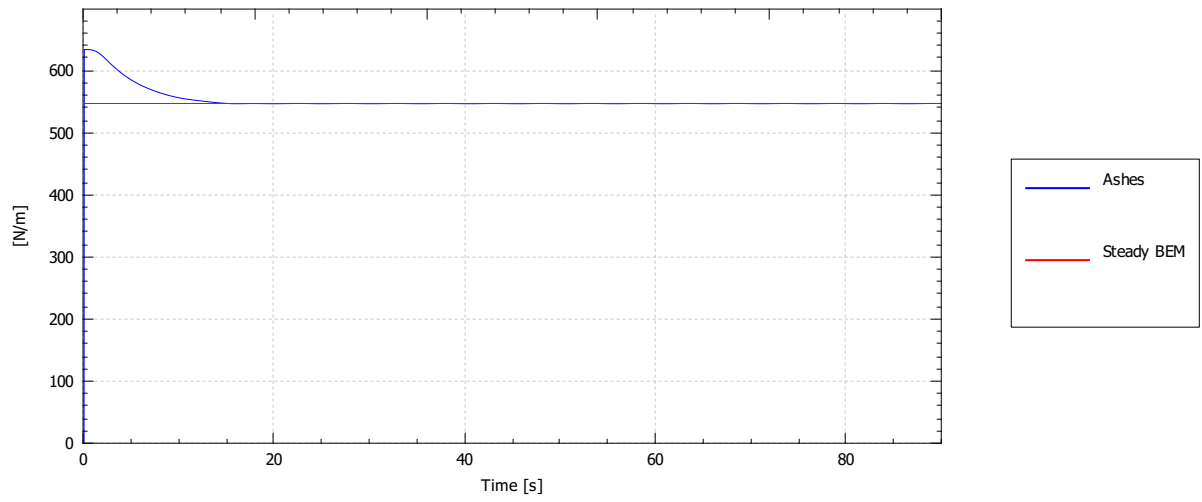
Pitching moment, distr.



Thrust force, distr.



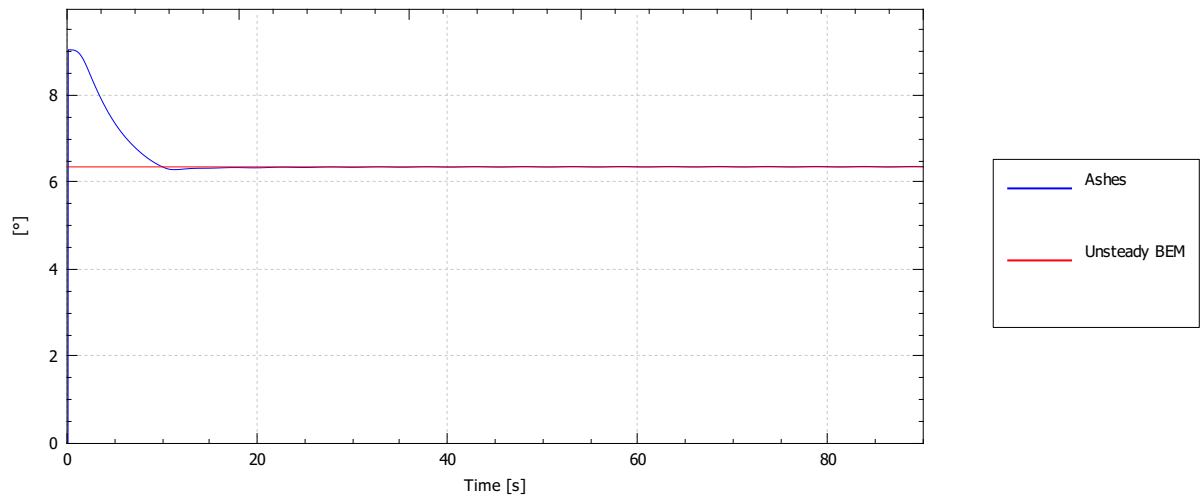
Torque force, distr.



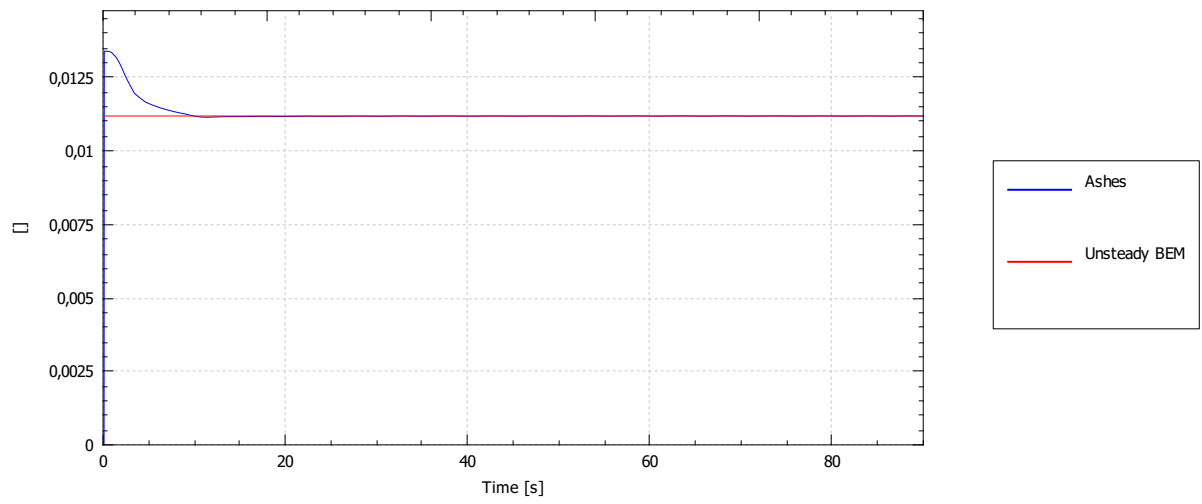
**Load case: Unsteady BEM**

**Blade- Station [Blade 1] 7**

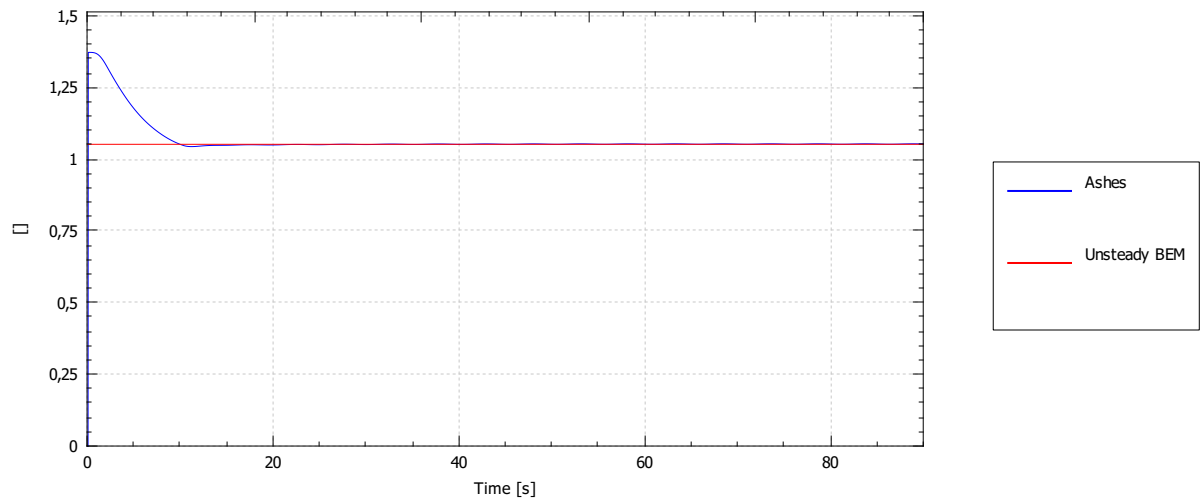
Angle of attack



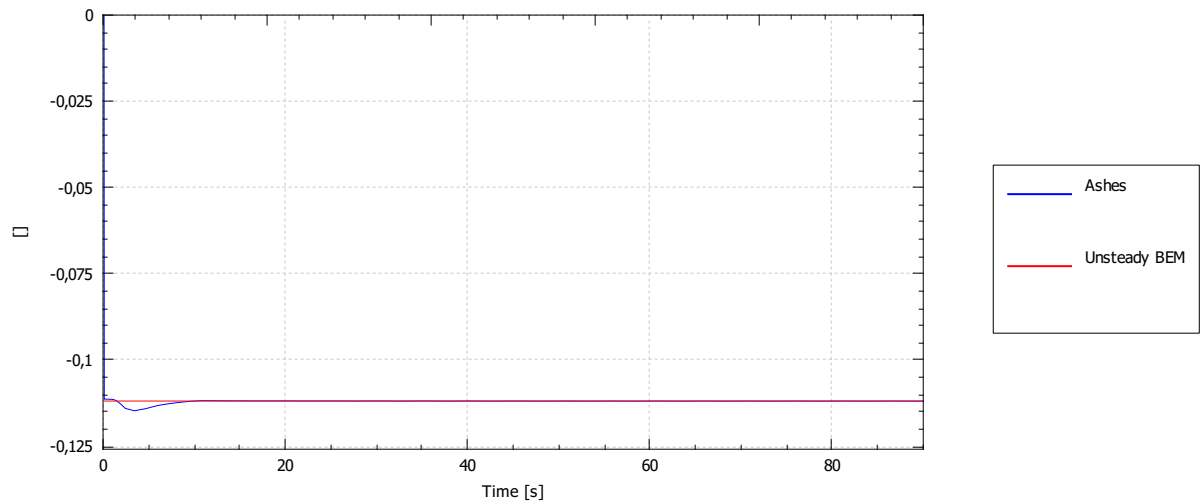
Cd



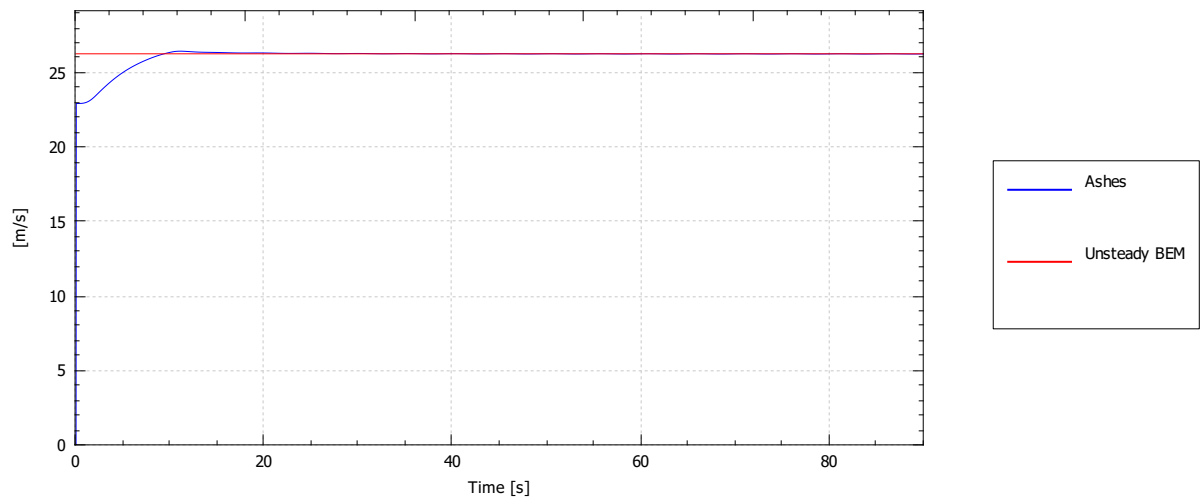
Cl



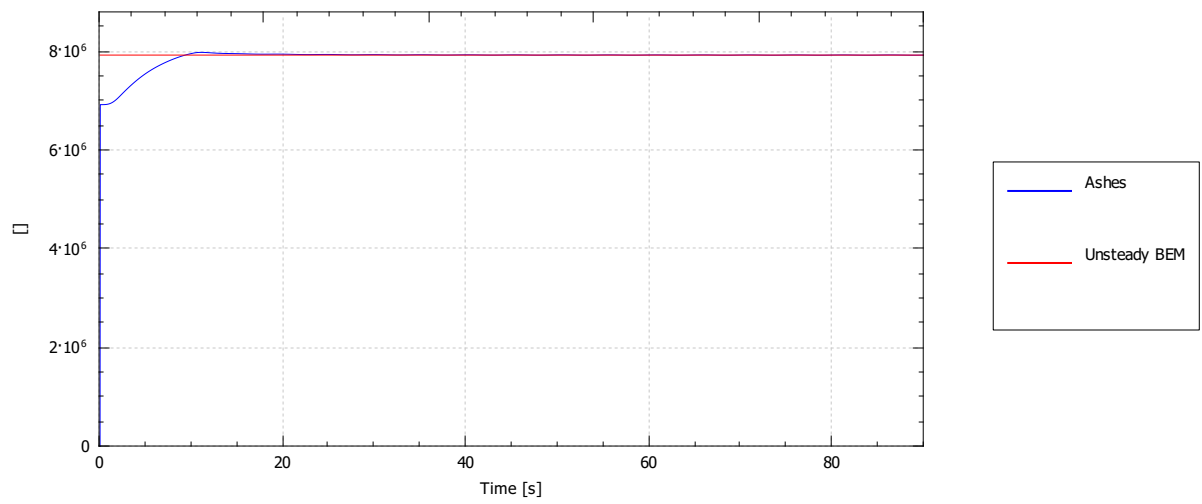
Cm



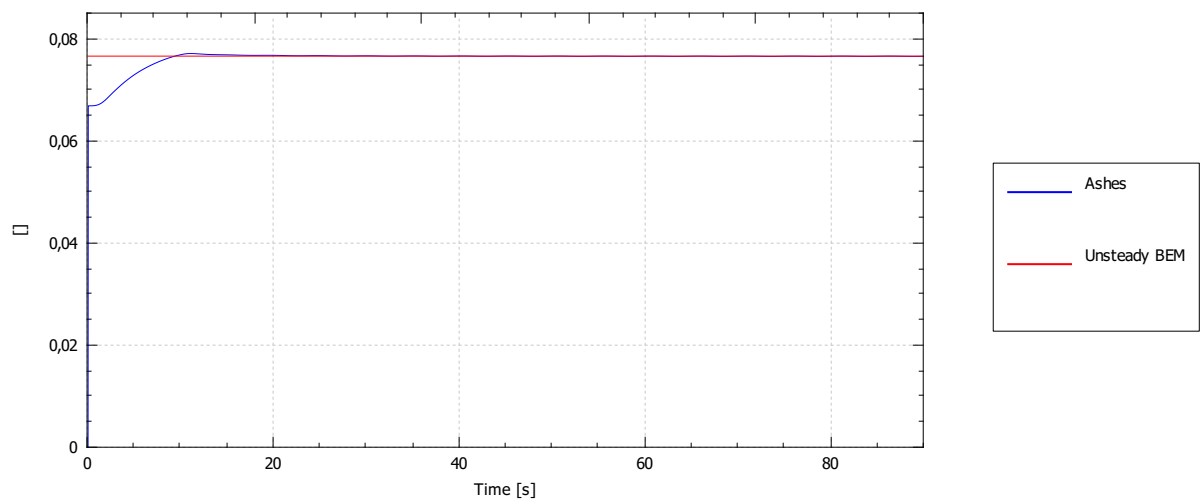
### Relative wind speed



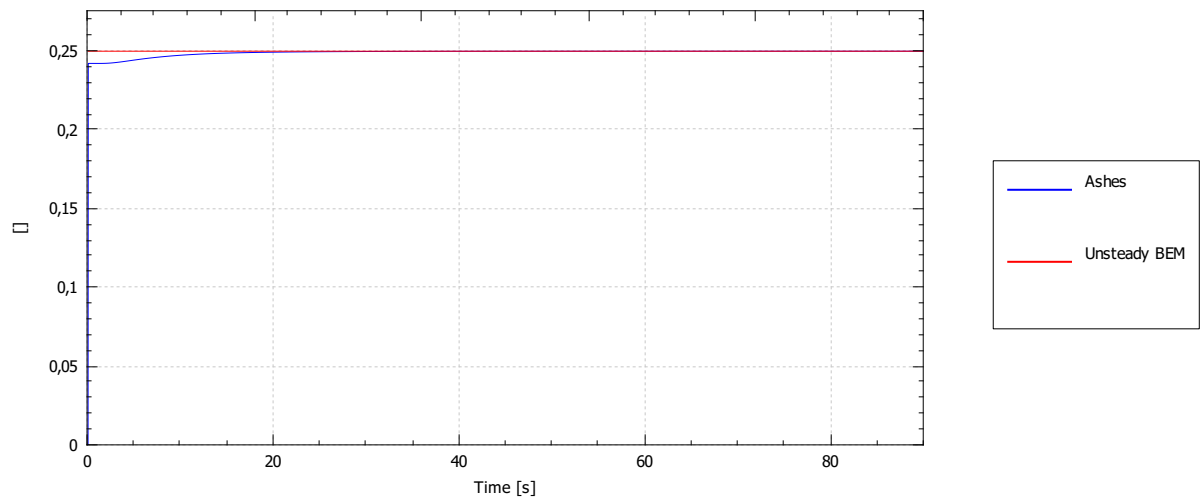
### Reynolds number



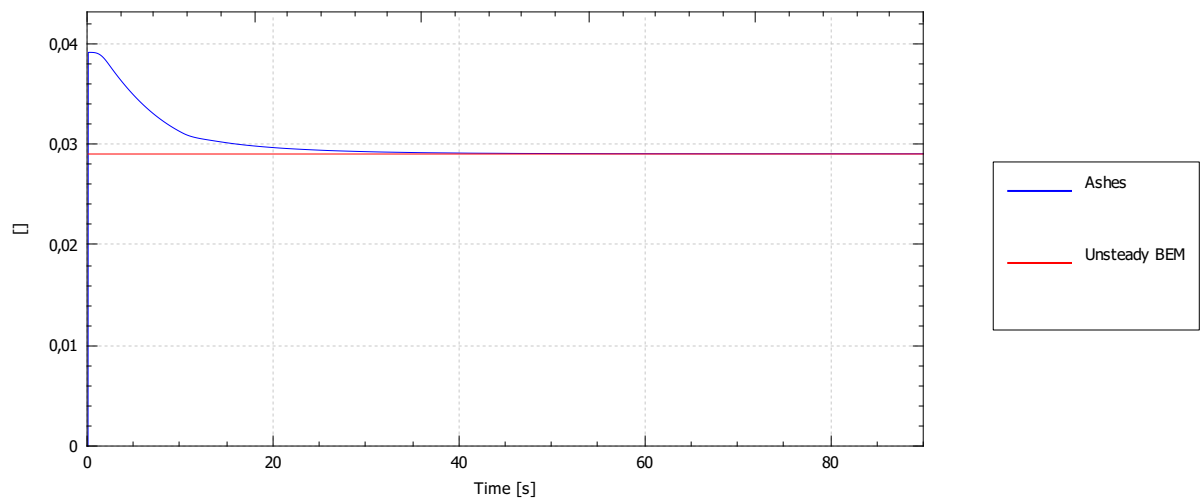
### Mach number



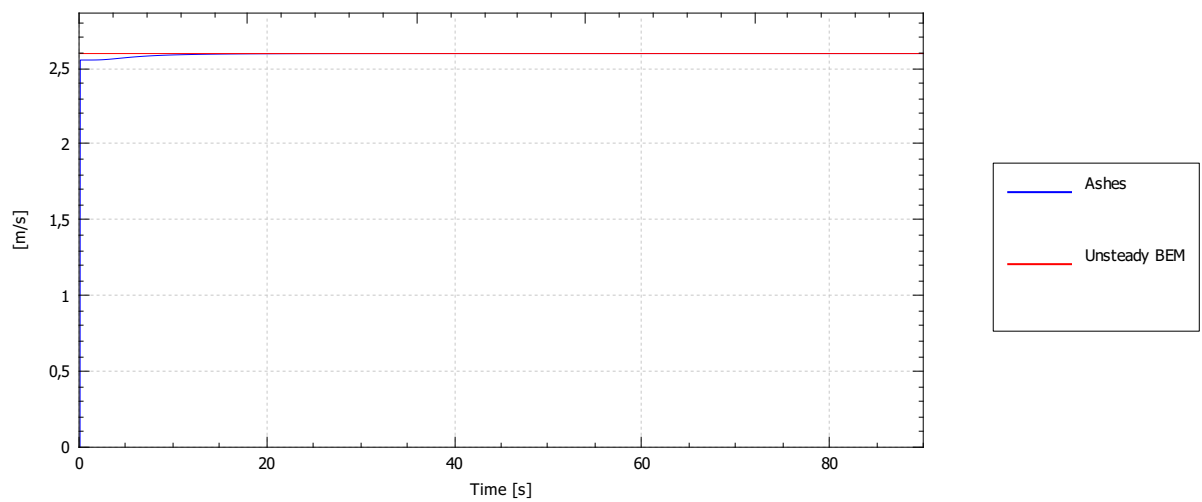
### Axial induction factor



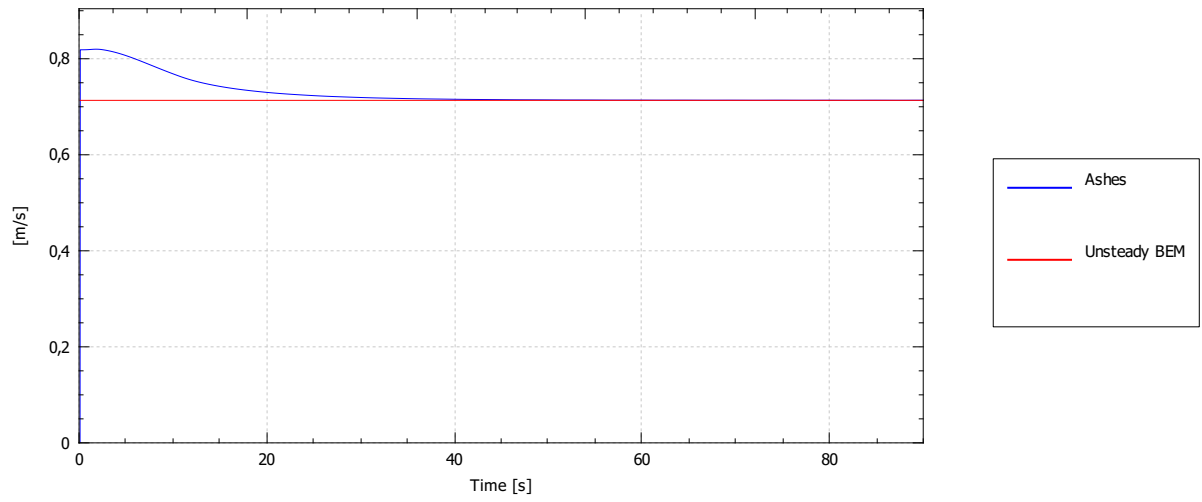
### Tangential induction factor



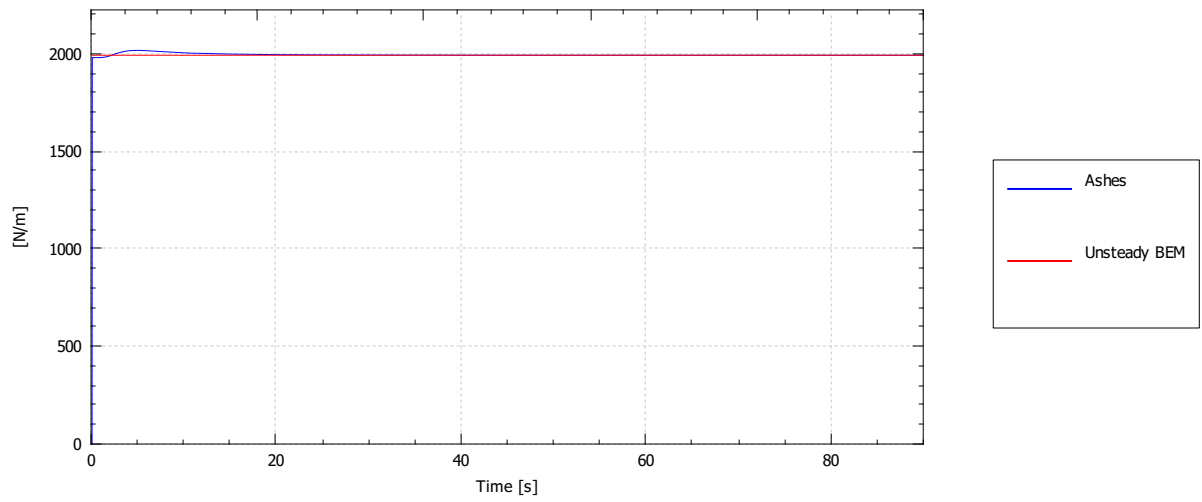
### Induced velocity



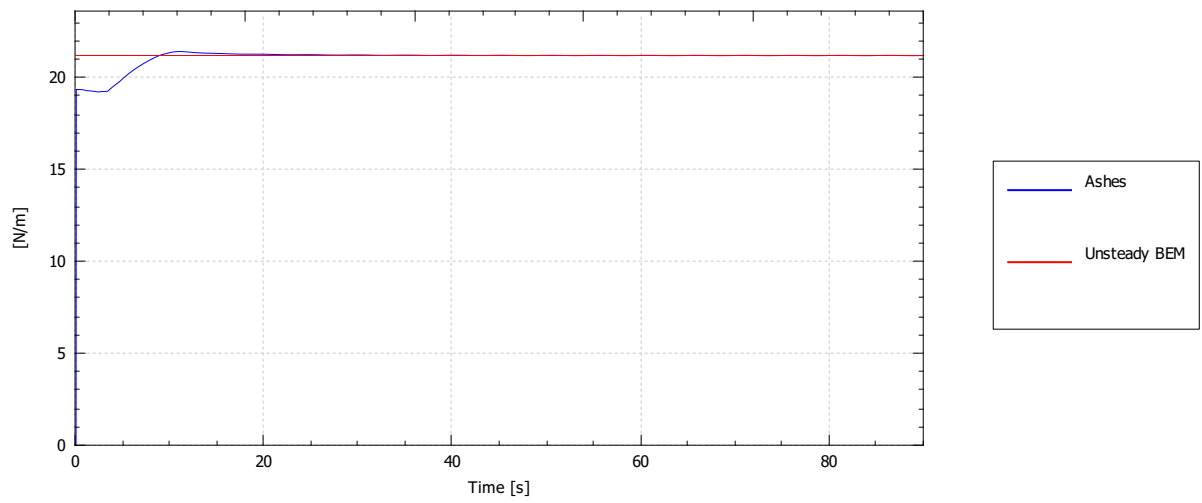
Tangential induced velocity



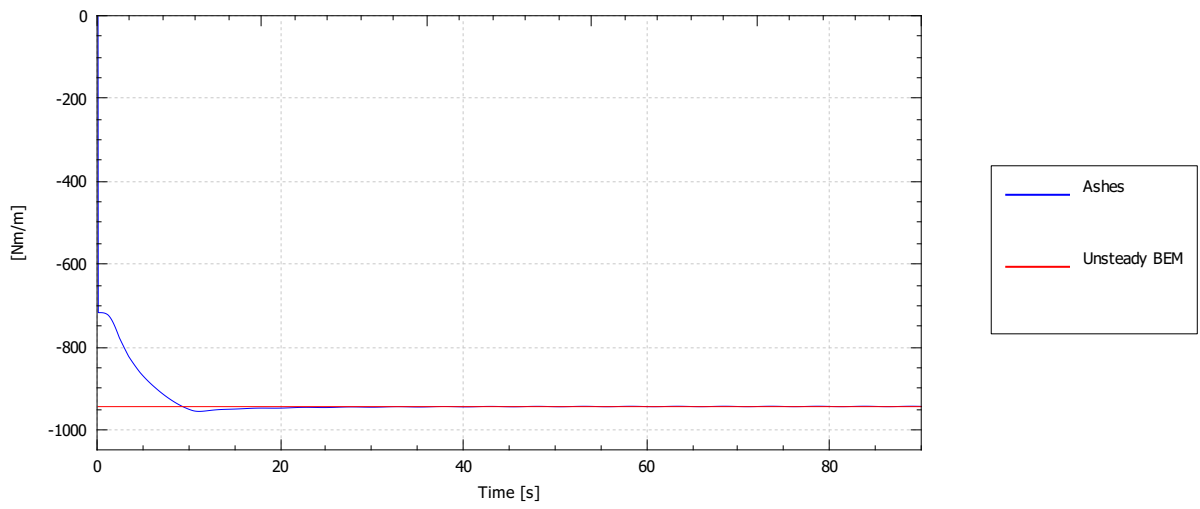
Lift force, distr.



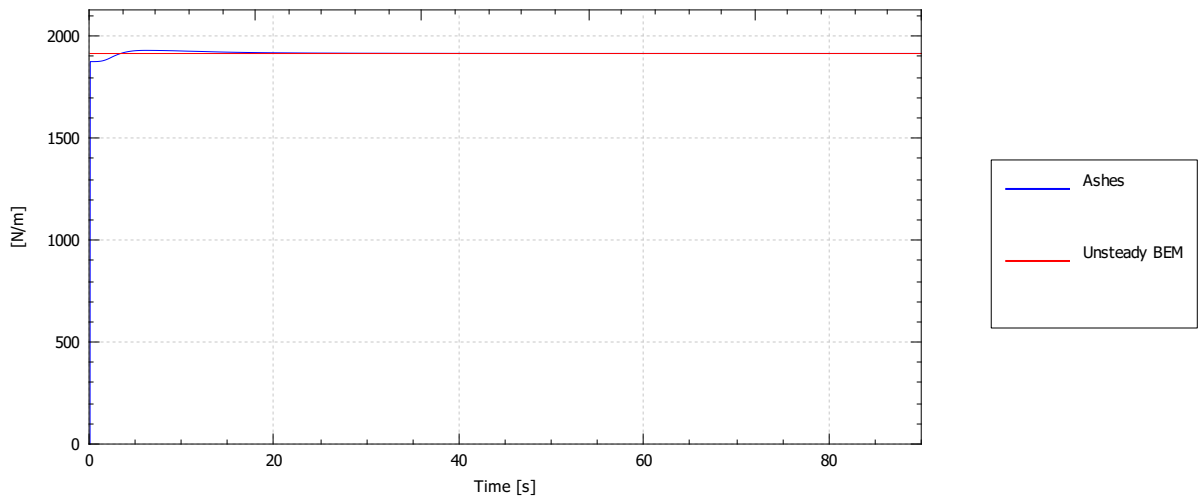
Drag force, distr.



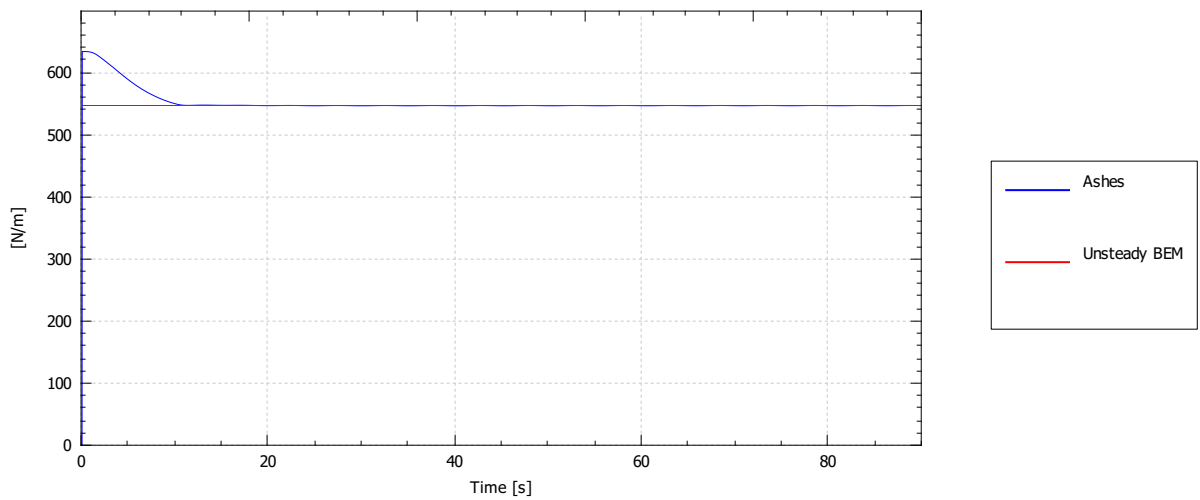
Pitching moment, distr.



Thrust force, distr.



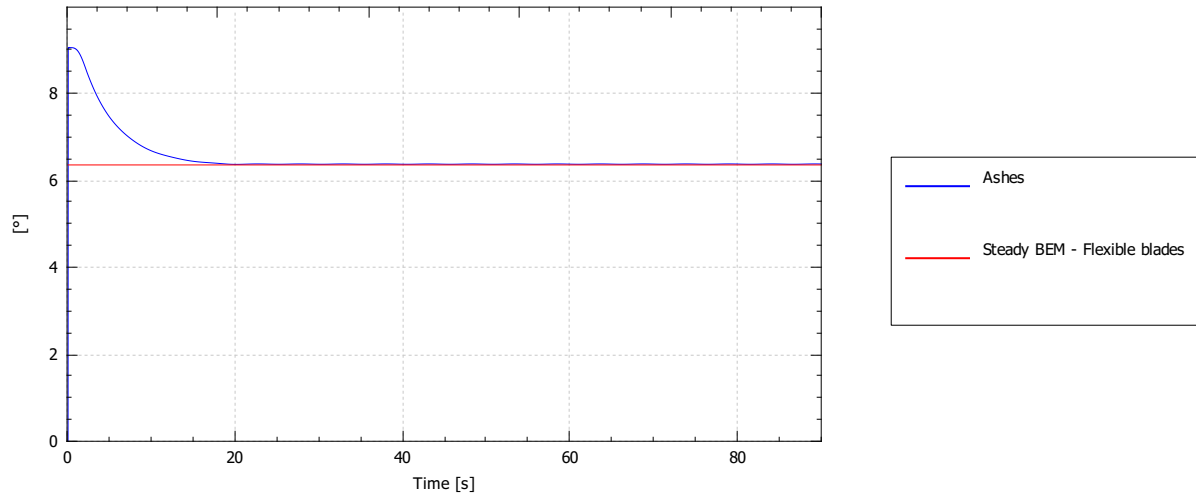
Torque force, distr.



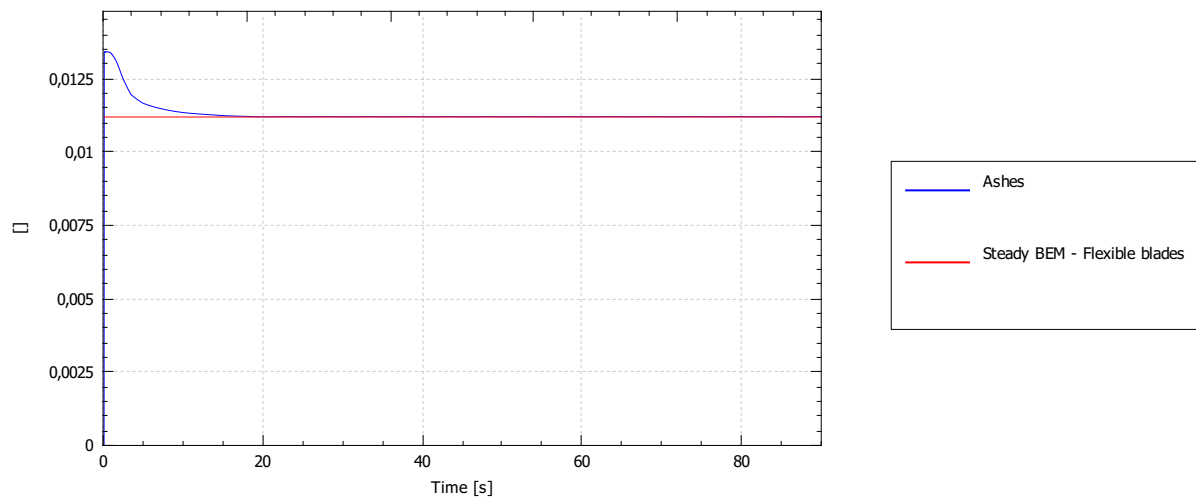
## Load case: Steady BEM - Flexible blades

### Blade- Station [Blade 1] 7

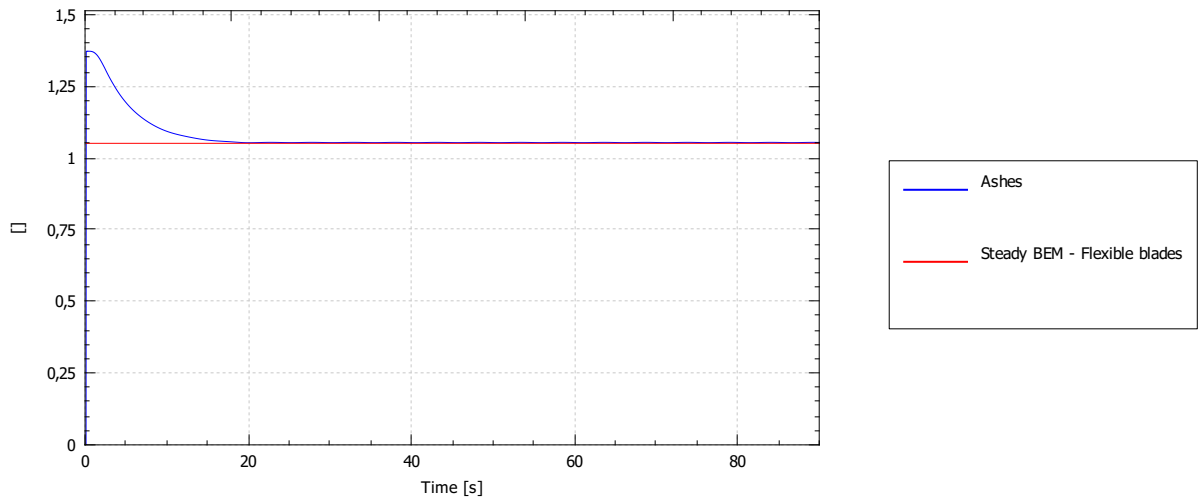
Angle of attack



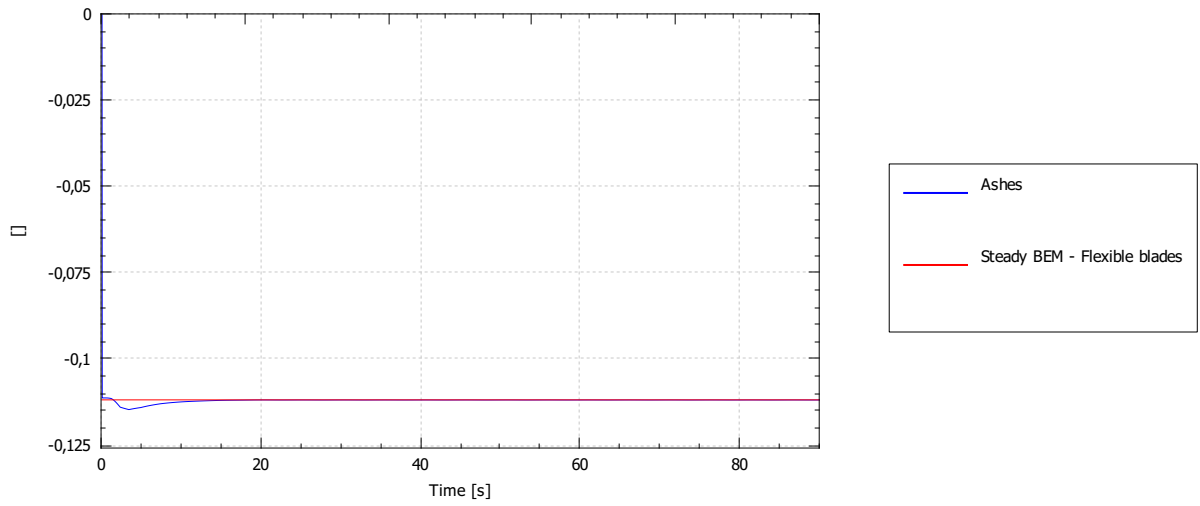
Cd



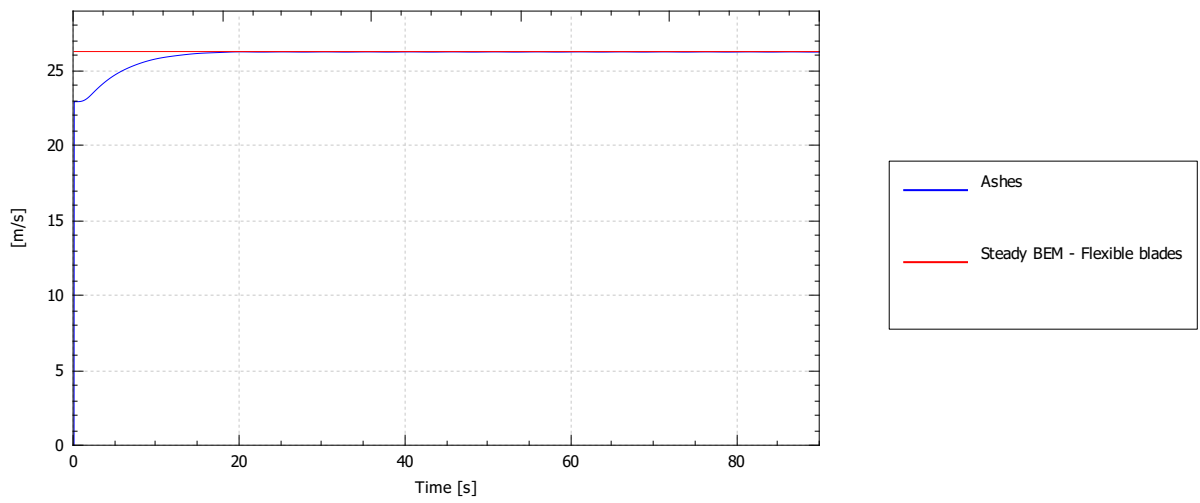
### Cl



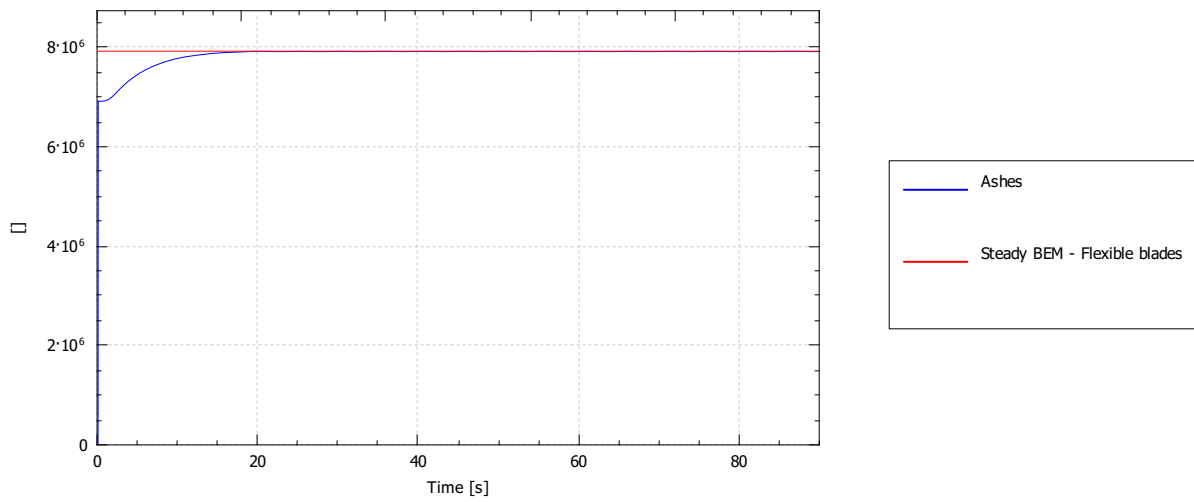
### Cm



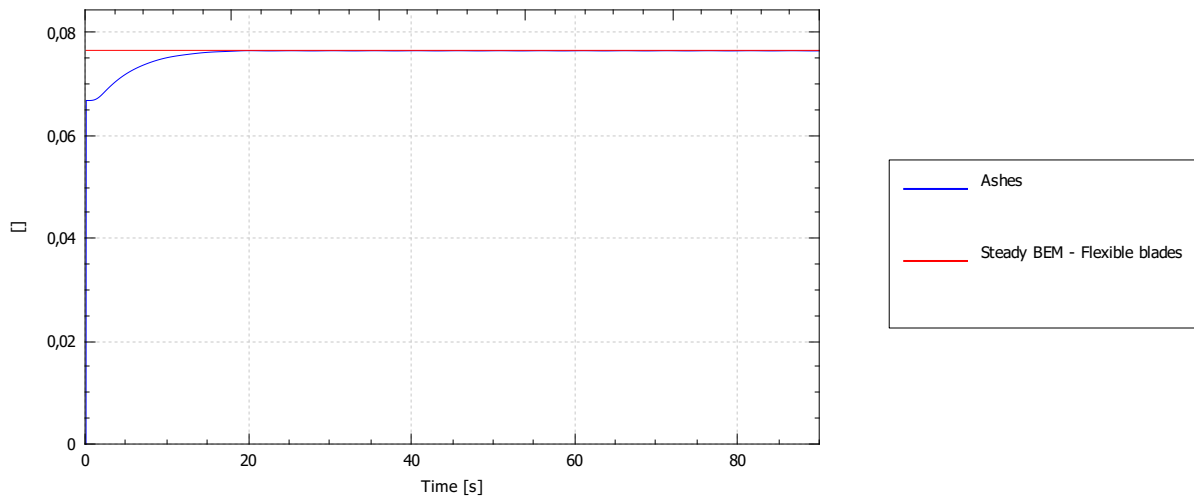
### Relative wind speed



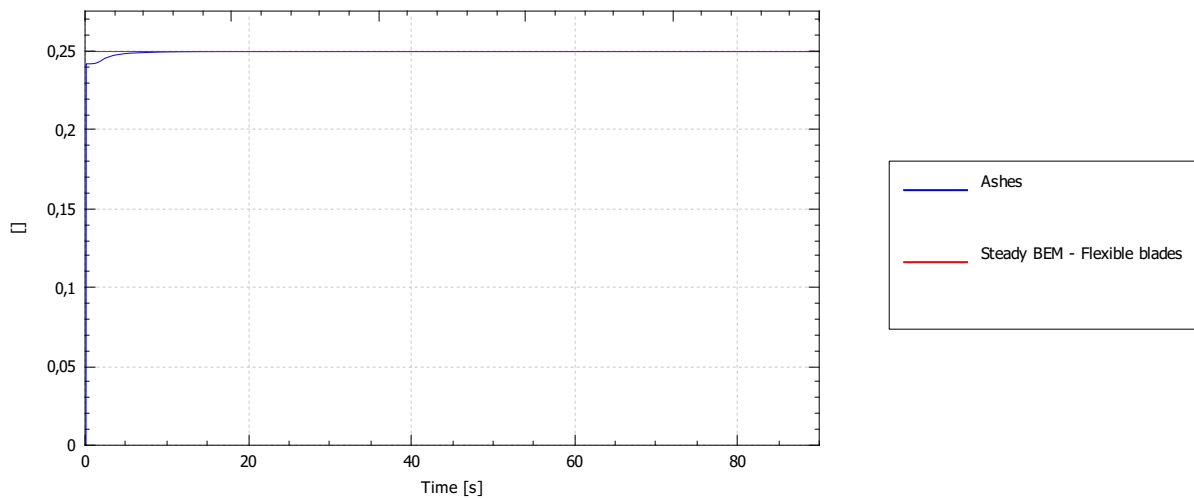
### Reynolds number



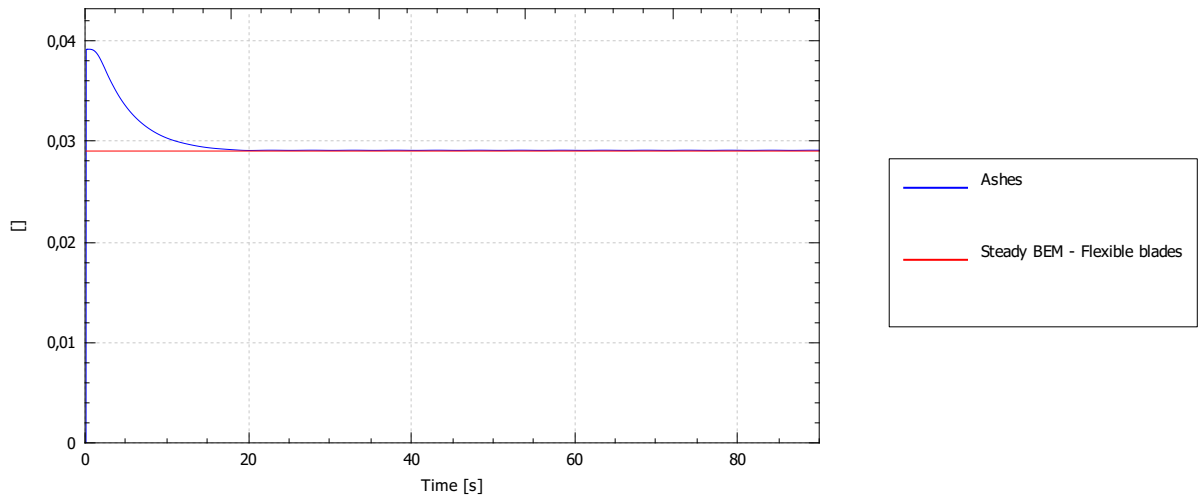
### Mach number



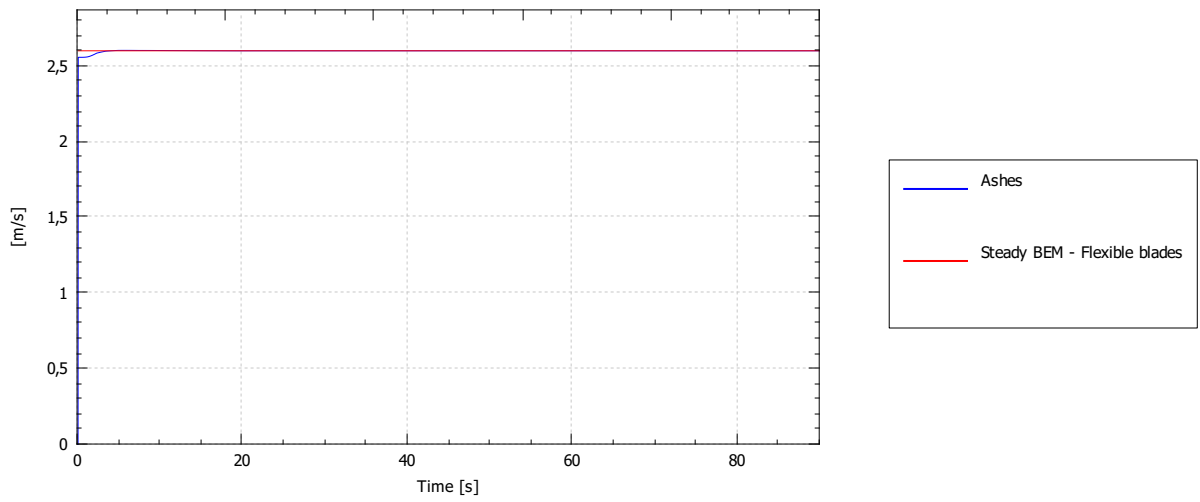
### Axial induction factor



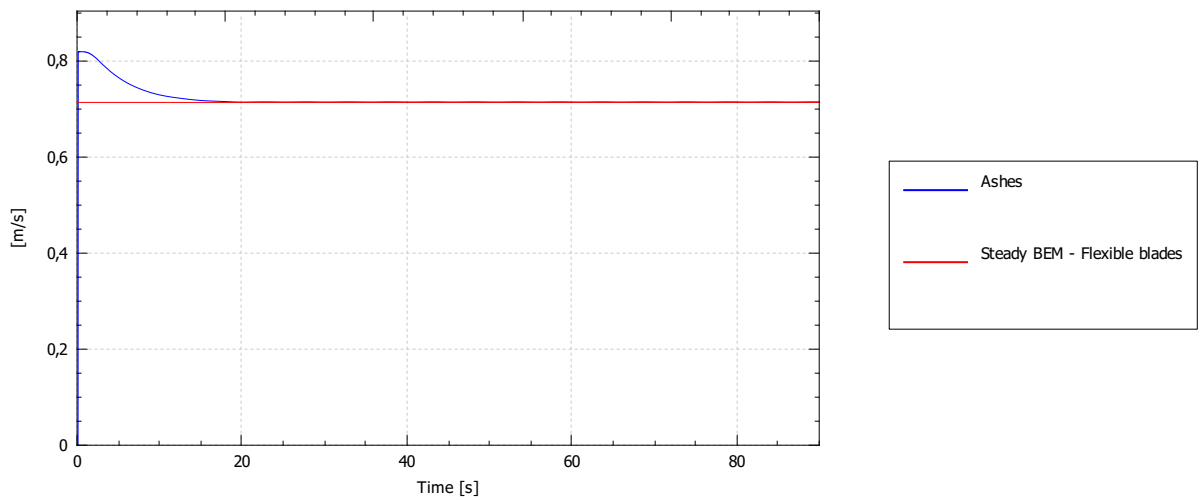
### Tangential induction factor



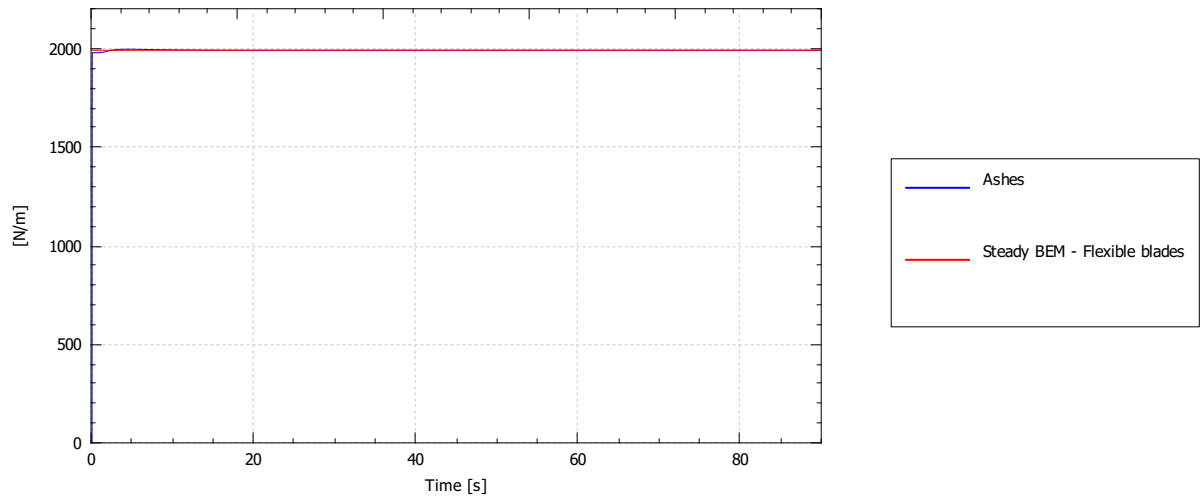
### Induced velocity



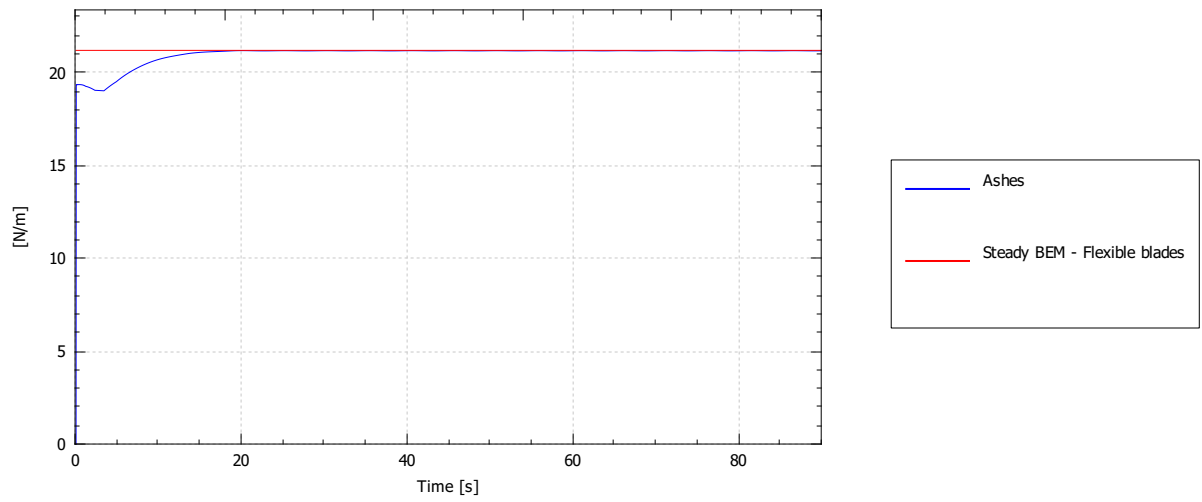
### Tangential induced velocity



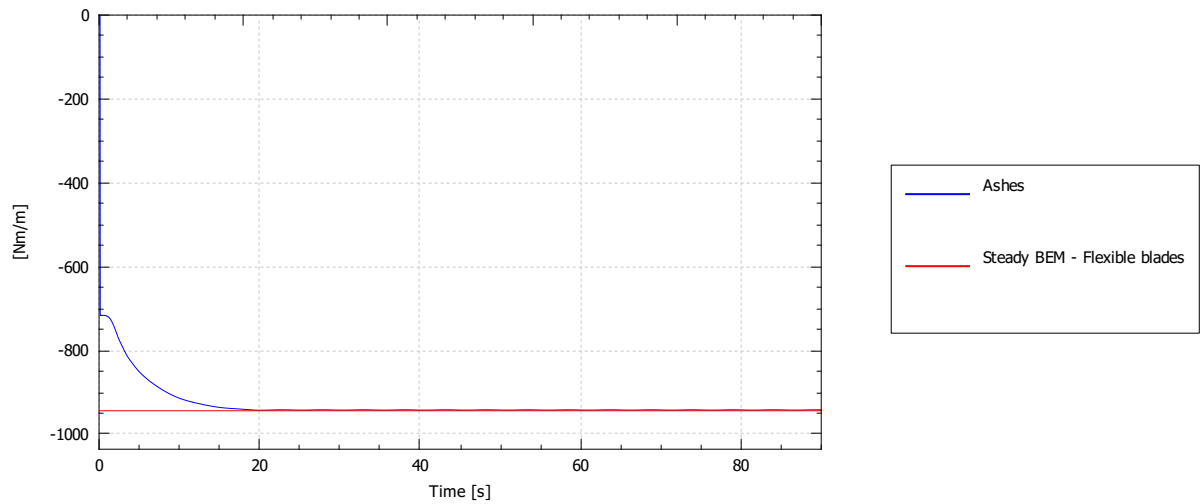
Lift force, distr.



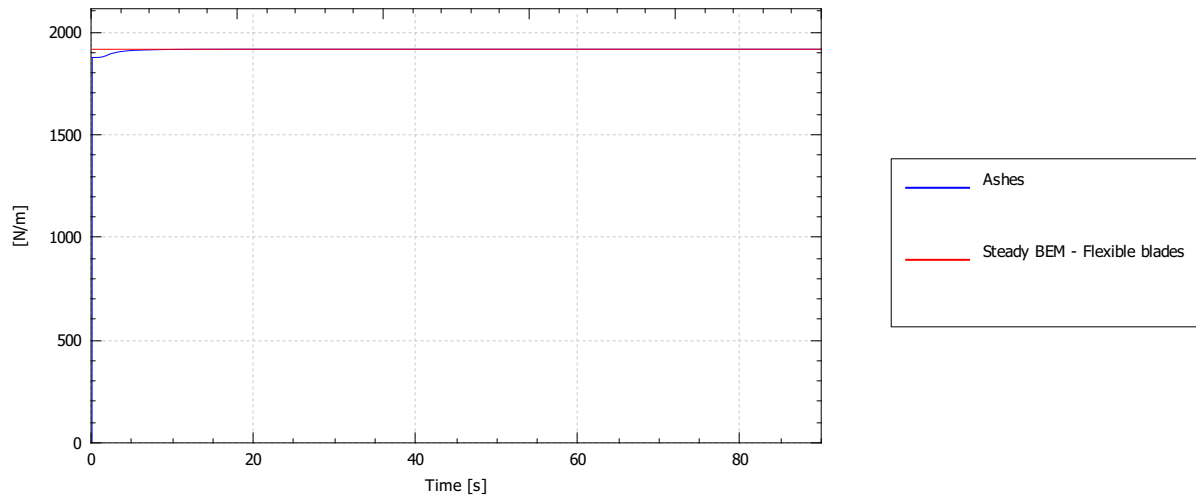
Drag force, distr.



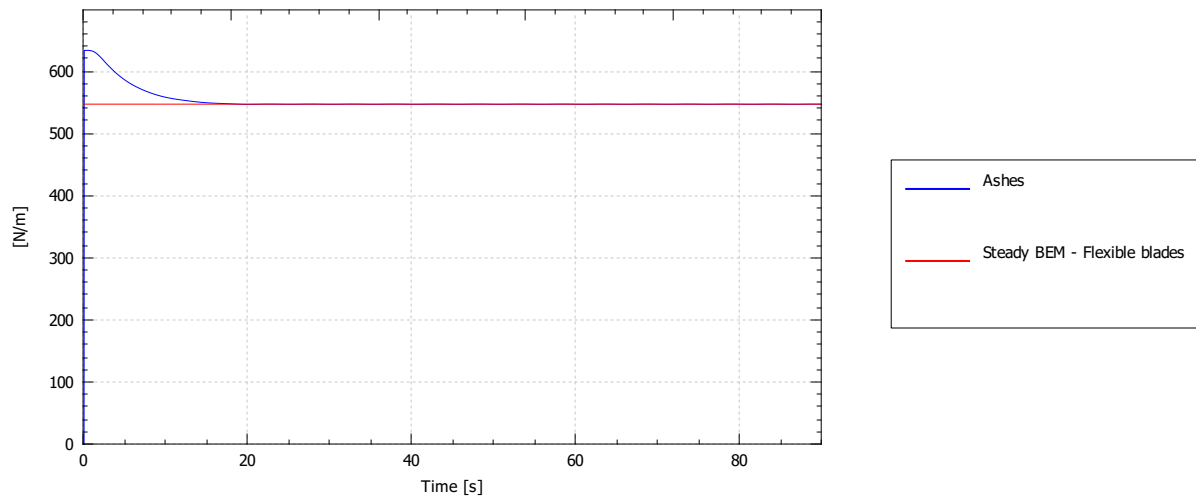
Pitching moment, distr.



Thrust force, distr.



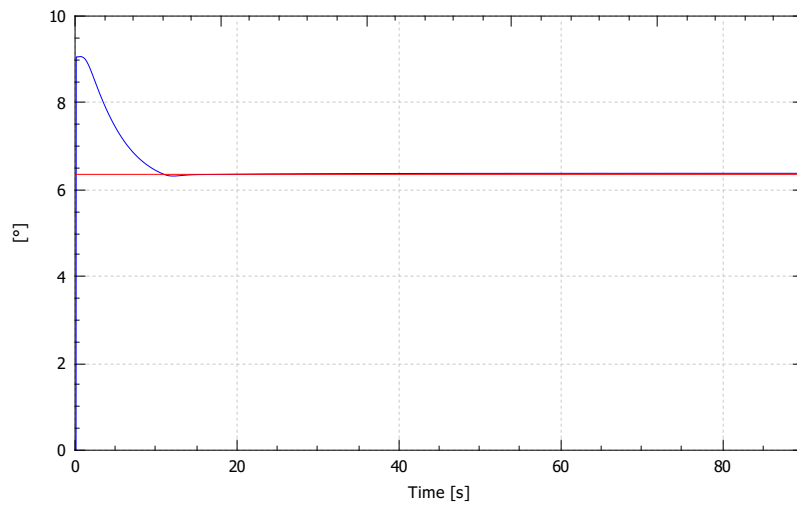
Torque force, distr.



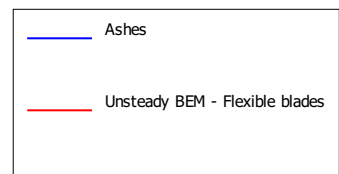
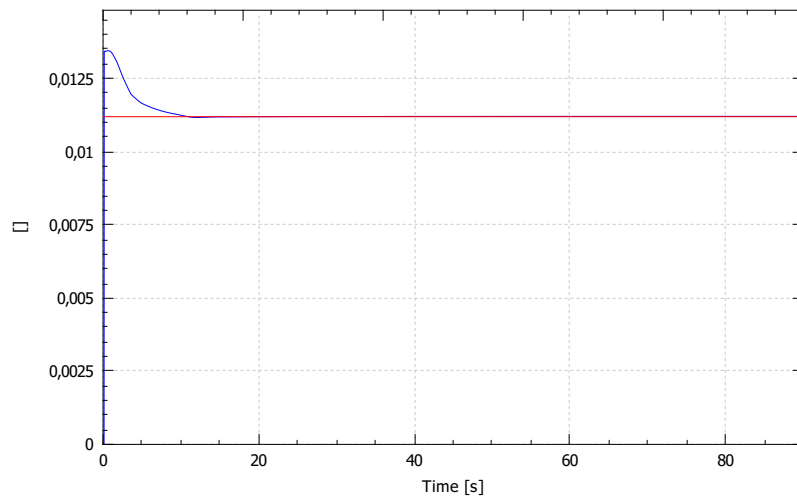
**Load case: Unsteady BEM - Flexible blades**

**Blade- Station [Blade 1] 7**

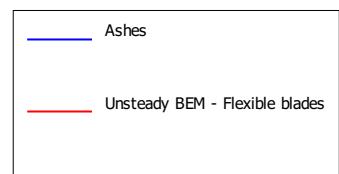
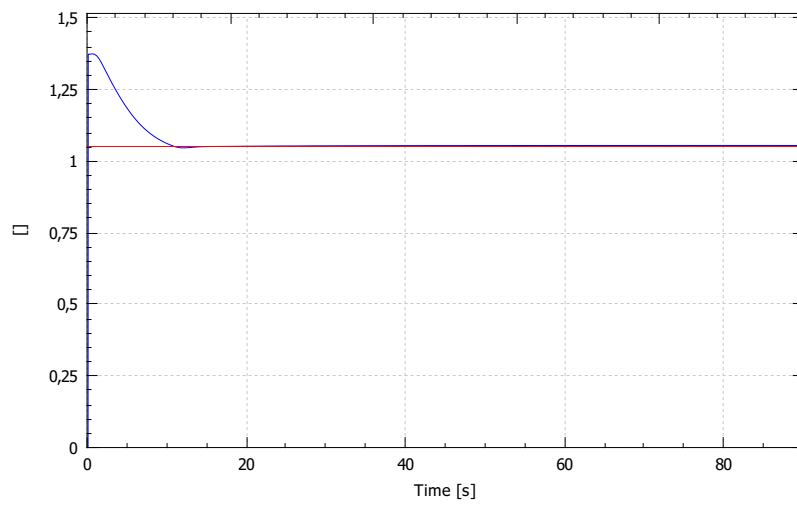
### Angle of attack



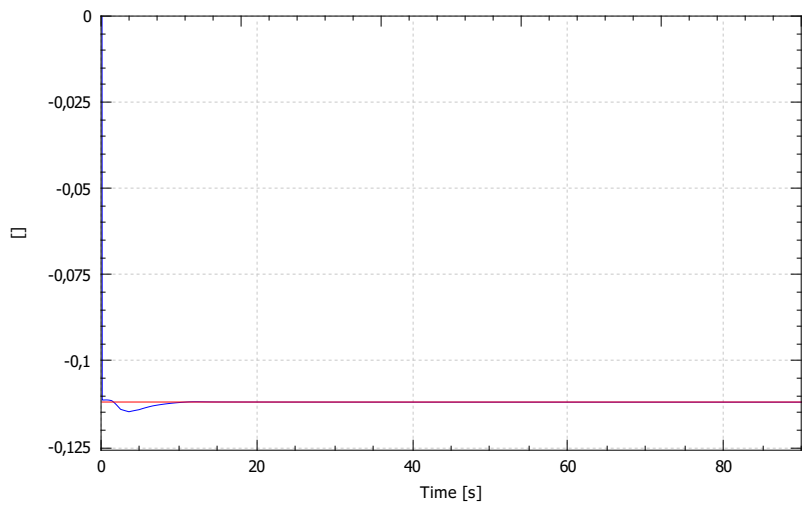
### Cd



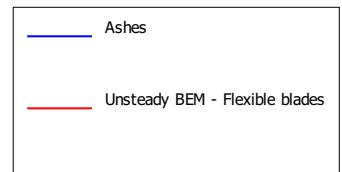
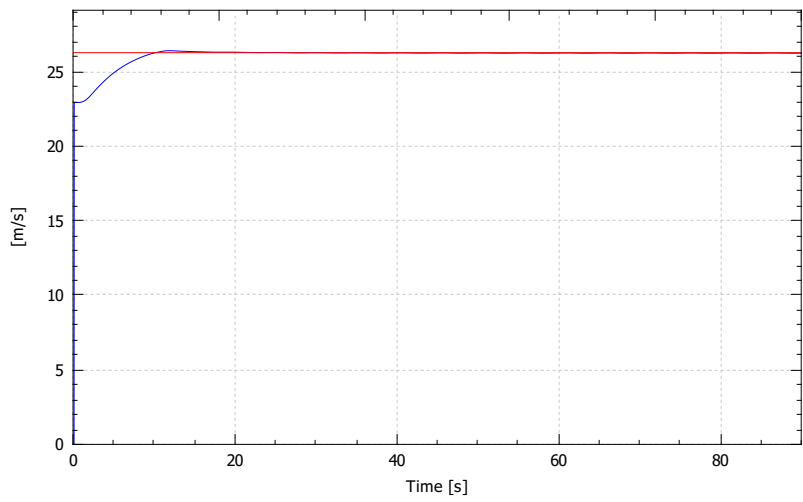
### Cl



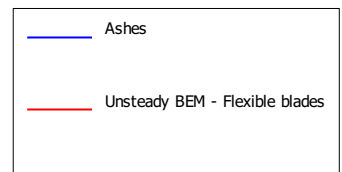
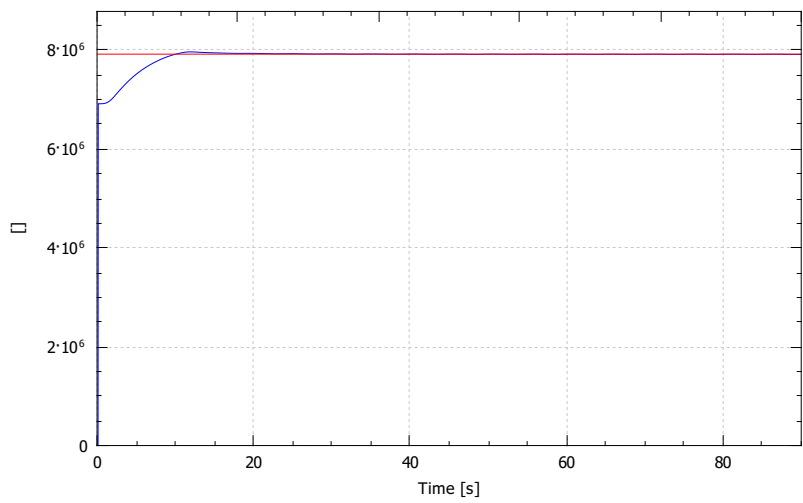
### Cm



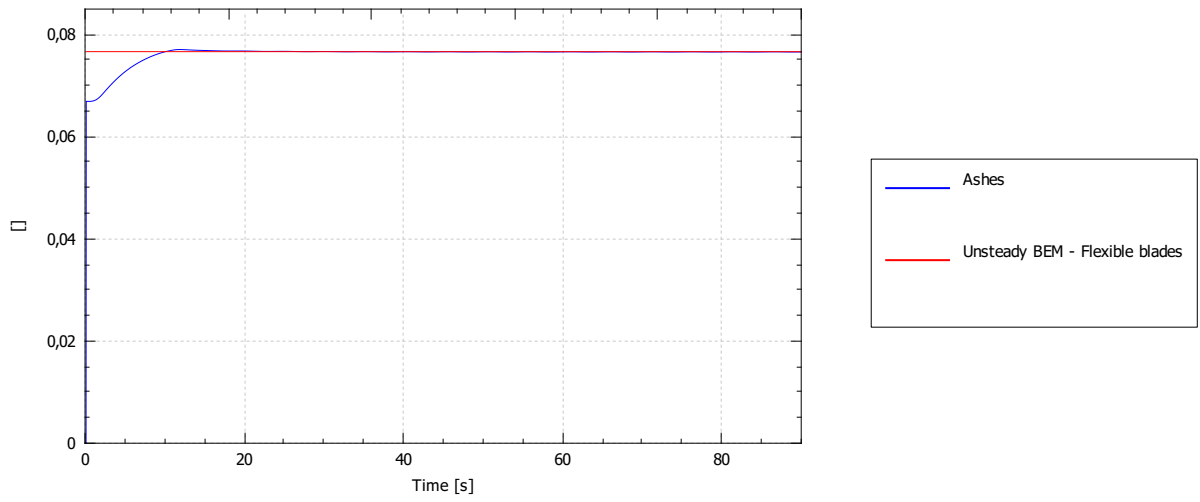
### Relative wind speed



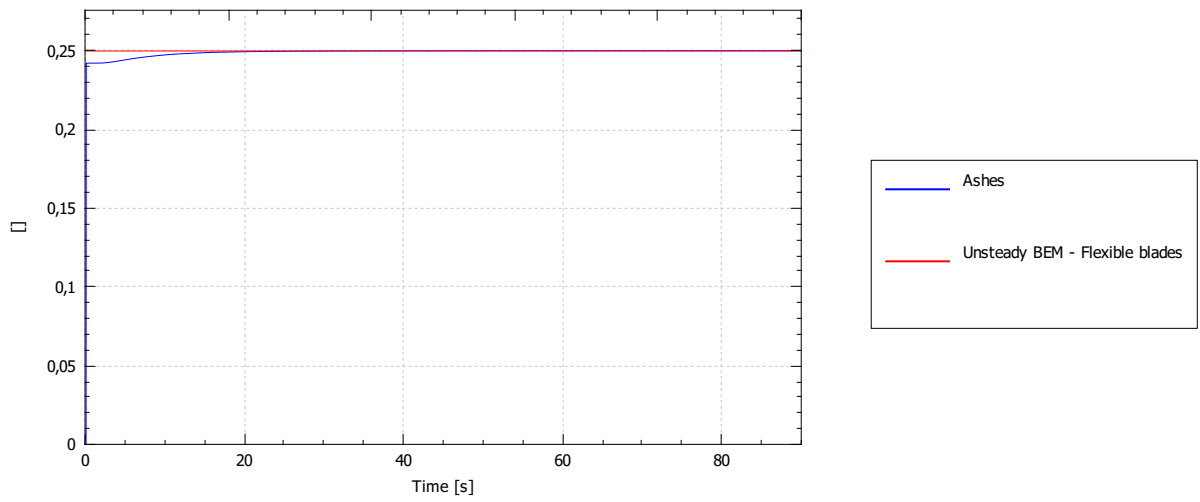
### Reynolds number



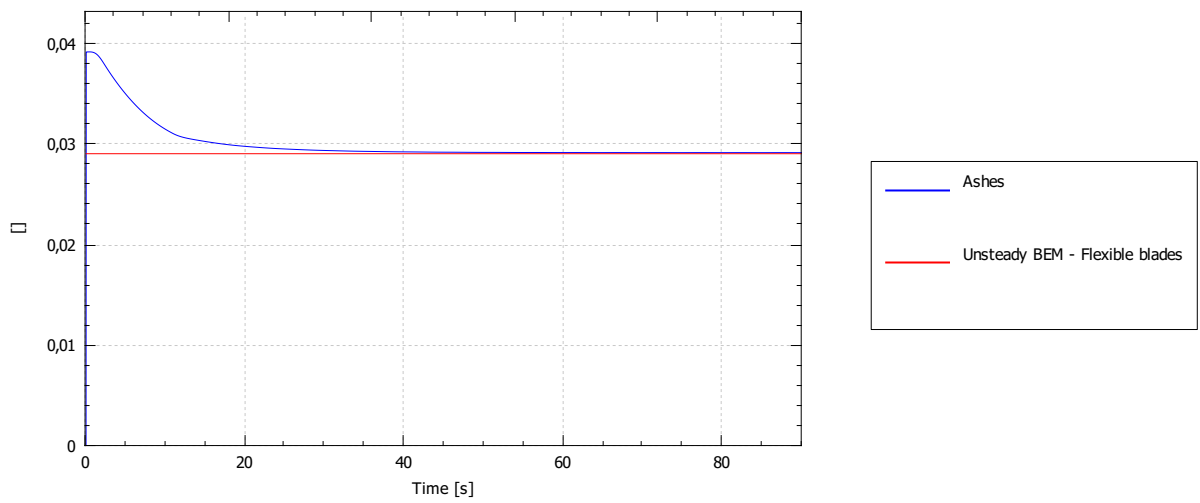
### Mach number



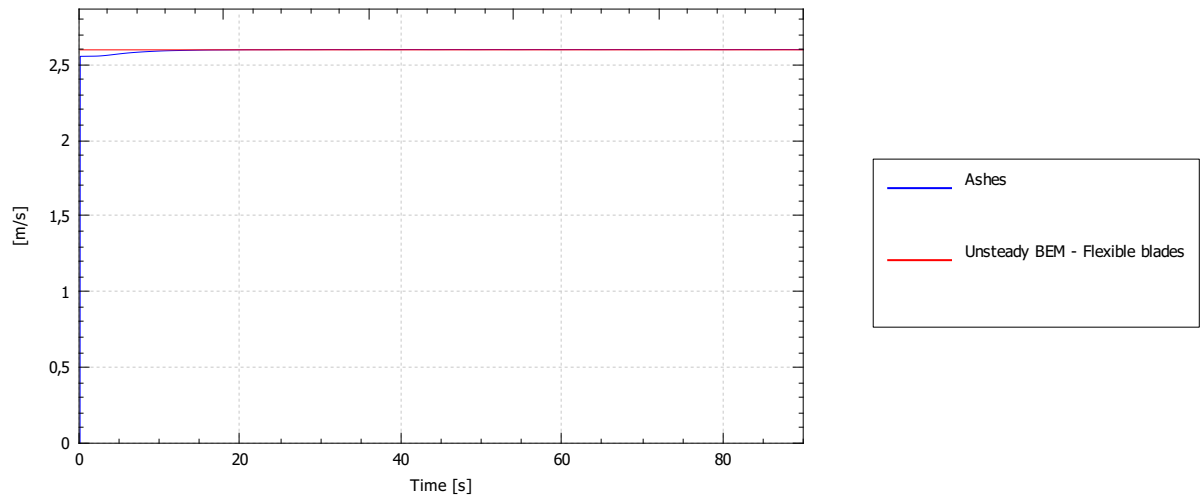
### Axial induction factor



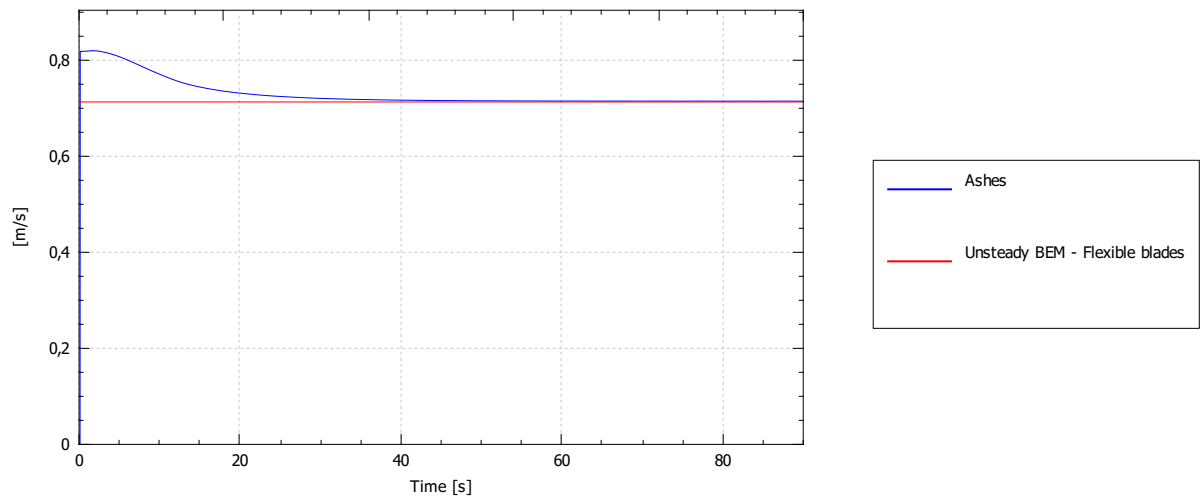
### Tangential induction factor



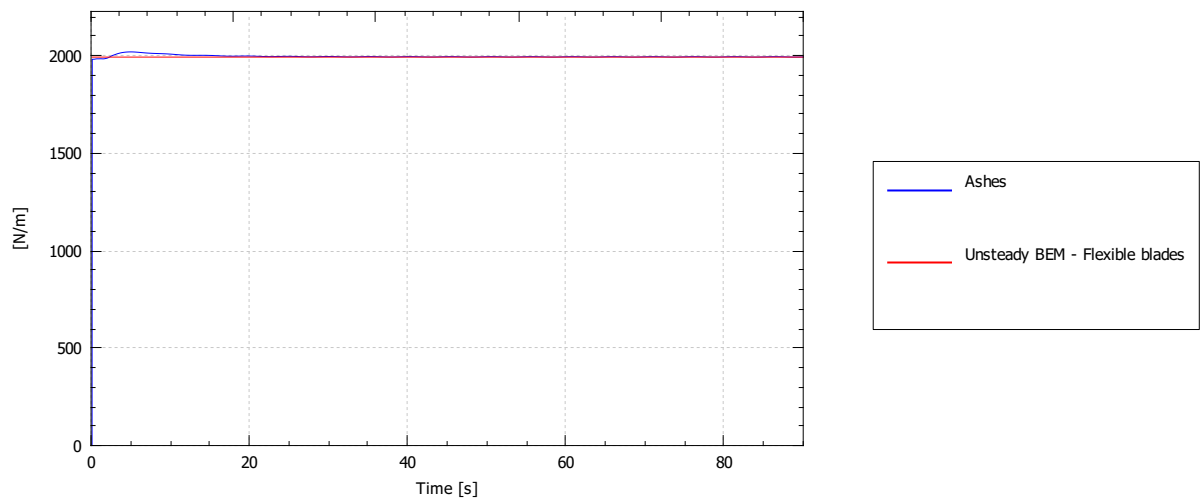
### Induced velocity



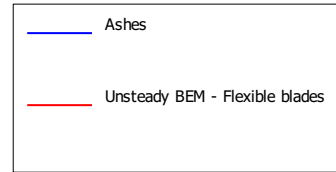
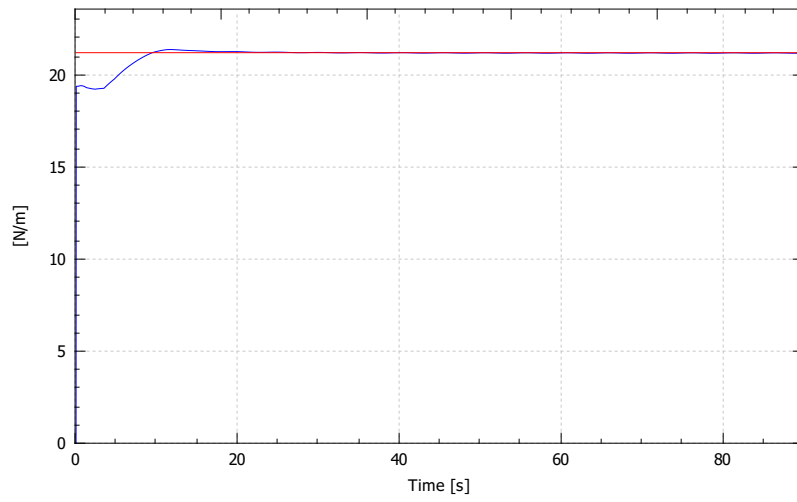
### Tangential induced velocity



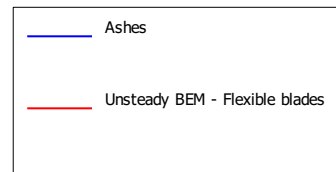
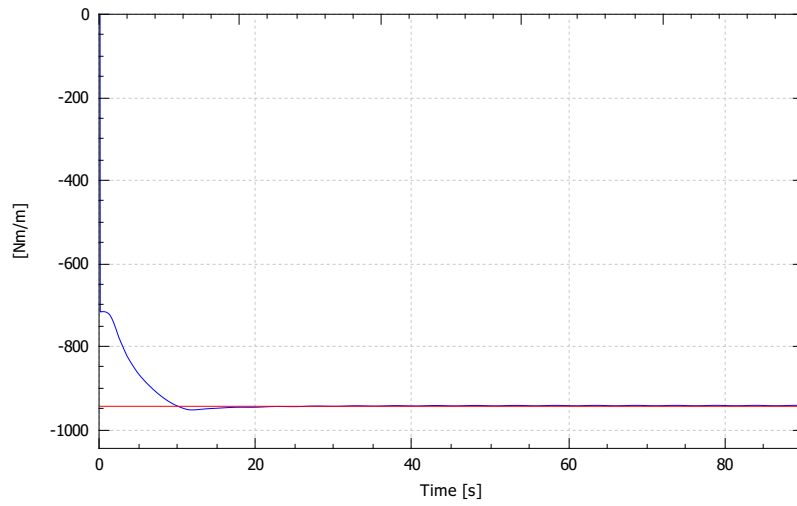
### Lift force, distr.



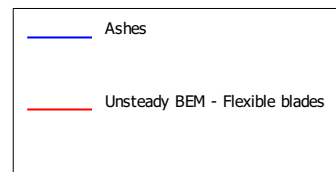
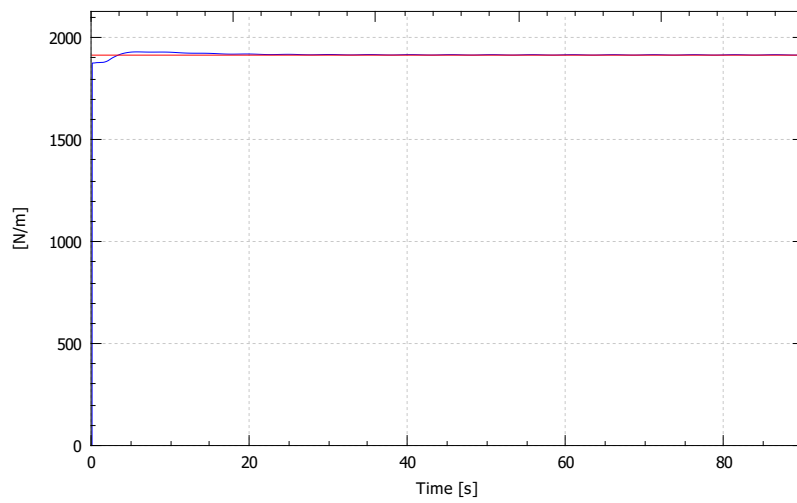
Drag force, distr.



Pitching moment, distr.



Thrust force, distr.



Torque force, distr.

