

Regression test

Test run started 2025-08-26T20:10:34Z
Ashes version: 3.32.0
Comparing with external results

DTU 10-MW steady state performance			
Load case set 1			
Load case	Time series	Error score	Result
4 ms wind speed	Power (aero)	0.034532	PASS
	Thrust (aero)	0.002478	PASS
	RPM	0.000509	PASS
	Power coef. (CP)	0.032153	PASS
	Thrust coef. (CT)	0.000774	PASS
5 ms wind speed	Power (aero)	0.024704	PASS
	Thrust (aero)	0.005065	PASS
	RPM	0.000509	PASS
	Power coef. (CP)	0.023217	PASS
	Thrust coef. (CT)	0.003193	PASS
6 ms wind speed	Power (aero)	0.027114	PASS
	Thrust (aero)	0.015451	PASS
	RPM	0.000505	PASS
	Power coef. (CP)	0.025506	PASS
	Thrust coef. (CT)	0.013200	PASS
7 ms wind speed	Power (aero)	0.027305	PASS
	Thrust (aero)	0.021922	PASS
	RPM	0.000510	PASS
	Power coef. (CP)	0.026397	PASS
	Thrust coef. (CT)	0.019793	PASS
8 ms wind speed	Power (aero)	0.024988	PASS
	Thrust (aero)	0.025627	PASS
	RPM	0.006526	PASS
	Power coef. (CP)	0.022527	PASS
	Thrust coef. (CT)	0.023462	PASS
9 ms wind speed	Power (aero)	0.021662	PASS
	Thrust (aero)	0.025099	PASS
	RPM	0.005801	PASS
	Power coef. (CP)	0.019248	PASS
	Thrust coef. (CT)	0.023013	PASS
10 ms wind speed	Power (aero)	0.017812	PASS
	Thrust (aero)	0.025523	PASS

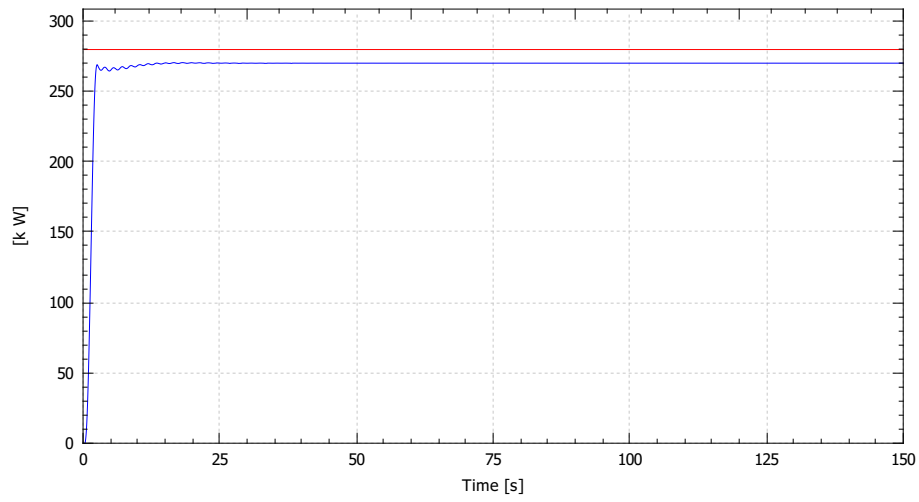
	RPM	0.005210	PASS
	Power coef. (CP)	0.015483	PASS
	Thrust coef. (CT)	0.023186	PASS
11 ms wind speed	Power (aero)	0.013703	PASS
	Thrust (aero)	0.026046	PASS
	RPM	0.004936	PASS
	Power coef. (CP)	0.011329	PASS
	Thrust coef. (CT)	0.024138	PASS
12 ms wind speed	Power (aero)	0.010302	PASS
	Thrust (aero)	0.004183	PASS
	RPM	0.001581	PASS
	Power coef. (CP)	0.013373	PASS
	Thrust coef. (CT)	0.005928	PASS
13 ms wind speed	Power (aero)	0.008644	PASS
	Thrust (aero)	0.008480	PASS
	RPM	0.001557	PASS
	Power coef. (CP)	0.010054	PASS
	Thrust coef. (CT)	0.009114	PASS
14 ms wind speed	Power (aero)	0.009230	PASS
	Thrust (aero)	0.011911	PASS
	RPM	0.001556	PASS
	Power coef. (CP)	0.012916	PASS
	Thrust coef. (CT)	0.013119	PASS
15 ms wind speed	Power (aero)	0.005223	PASS
	Thrust (aero)	0.008850	PASS
	RPM	0.001556	PASS
	Power coef. (CP)	0.006320	PASS
	Thrust coef. (CT)	0.009884	PASS
16 ms wind speed	Power (aero)	0.008810	PASS
	Thrust (aero)	0.013105	PASS
	RPM	0.001555	PASS
	Power coef. (CP)	0.009459	PASS
	Thrust coef. (CT)	0.013042	PASS
17 ms wind speed	Power (aero)	0.008688	PASS
	Thrust (aero)	0.013370	PASS
	RPM	0.001555	PASS
	Power coef. (CP)	0.007418	PASS
	Thrust coef. (CT)	0.015593	PASS
18 ms wind speed	Power (aero)	0.008587	PASS
	Thrust (aero)	0.012871	PASS
	RPM	0.001555	PASS
	Power coef. (CP)	0.012598	PASS

	Thrust coef. (CT)	0.013215	PASS
19 ms wind speed	Power (aero)	0.007584	PASS
	Thrust (aero)	0.011050	PASS
	RPM	0.001556	PASS
	Power coef. (CP)	0.004423	PASS
	Thrust coef. (CT)	0.016589	PASS
20 ms wind speed	Power (aero)	0.007584	PASS
	Thrust (aero)	0.010899	PASS
	RPM	0.001556	PASS
	Power coef. (CP)	0.009644	PASS
	Thrust coef. (CT)	0.014400	PASS
21 ms wind speed	Power (aero)	0.008480	PASS
	Thrust (aero)	0.010267	PASS
	RPM	0.001556	PASS
	Power coef. (CP)	0.011665	PASS
	Thrust coef. (CT)	0.013965	PASS
22 ms wind speed	Power (aero)	0.008420	PASS
	Thrust (aero)	0.009432	PASS
	RPM	0.001556	PASS
	Power coef. (CP)	0.015192	PASS
	Thrust coef. (CT)	0.007257	PASS
23 ms wind speed	Power (aero)	0.008431	PASS
	Thrust (aero)	0.008370	PASS
	RPM	0.001557	PASS
	Power coef. (CP)	0.013155	PASS
	Thrust coef. (CT)	0.011779	PASS
24 ms wind speed	Power (aero)	0.008496	PASS
	Thrust (aero)	0.006887	PASS
	RPM	0.001559	PASS
	Power coef. (CP)	0.016620	PASS
	Thrust coef. (CT)	0.010662	PASS
25 ms wind speed	Power (aero)	0.008634	PASS
	Thrust (aero)	0.006066	PASS
	RPM	0.001562	PASS
	Power coef. (CP)	0.022231	PASS
	Thrust coef. (CT)	0.013391	PASS

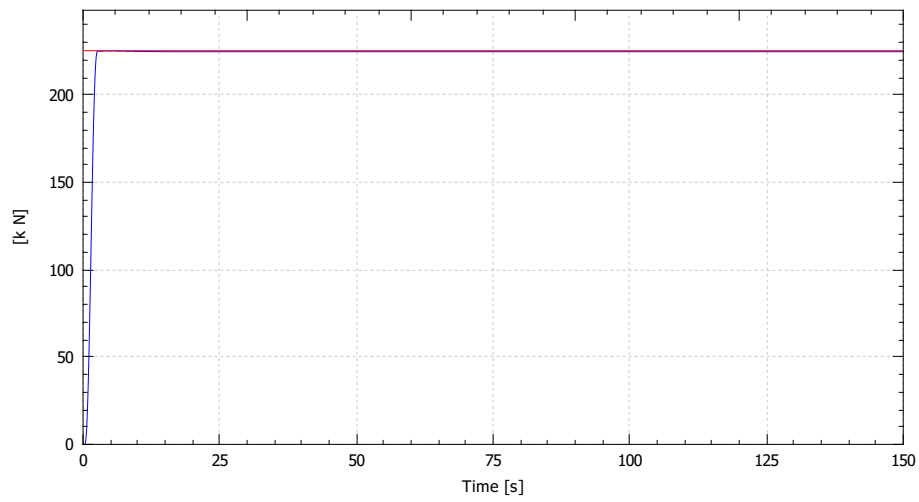
Load case: 4 ms wind speed

Rotor

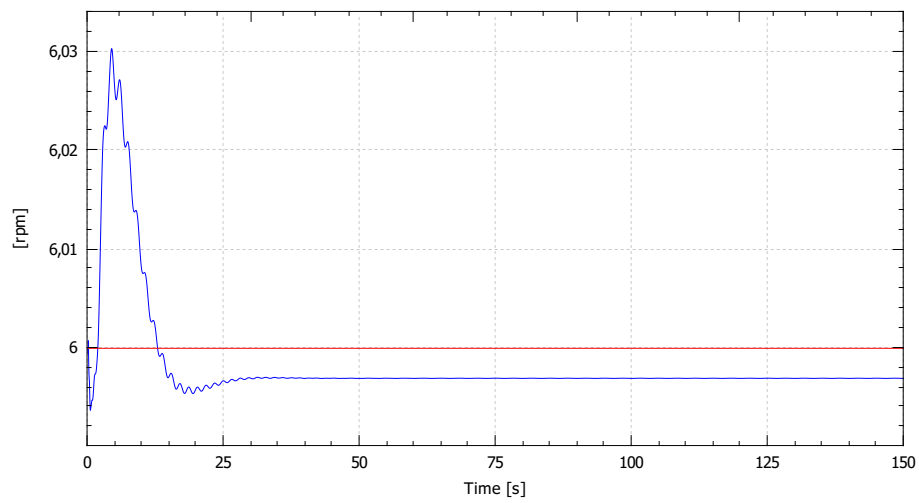
Power (aero)



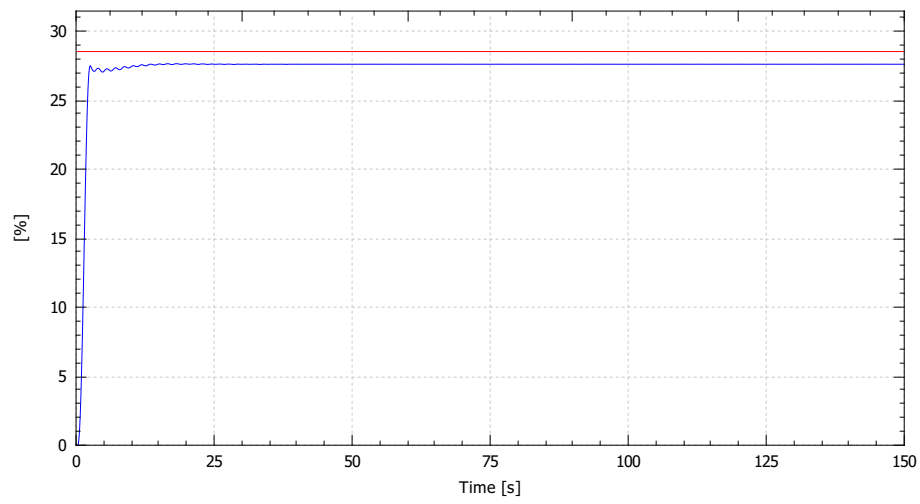
Thrust (aero)



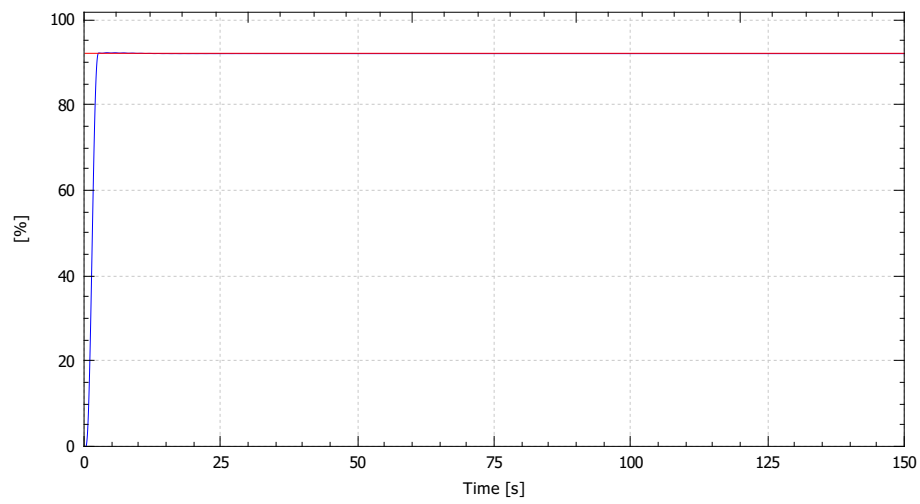
RPM



Power coef. (CP)



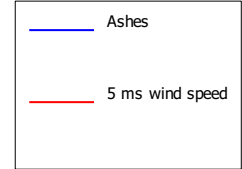
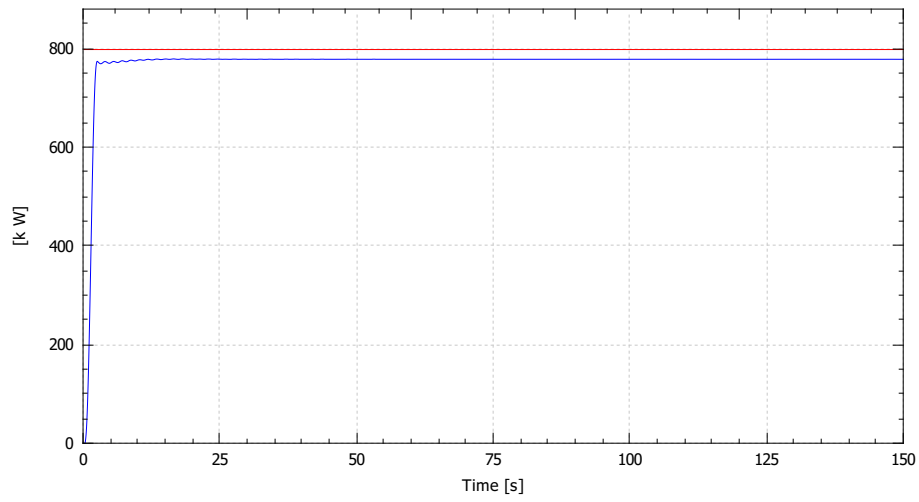
Thrust coef. (CT)



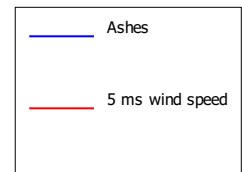
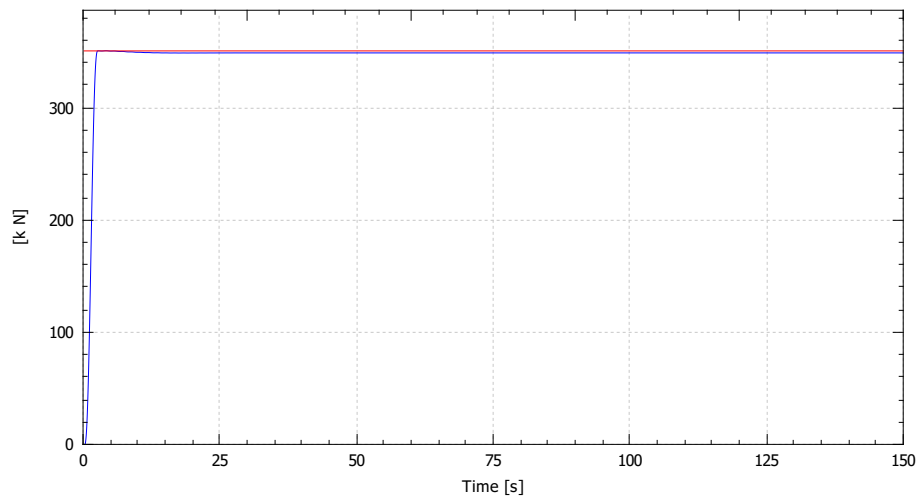
Load case: 5 ms wind speed

Rotor

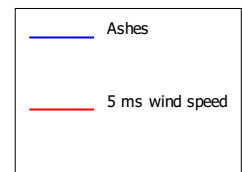
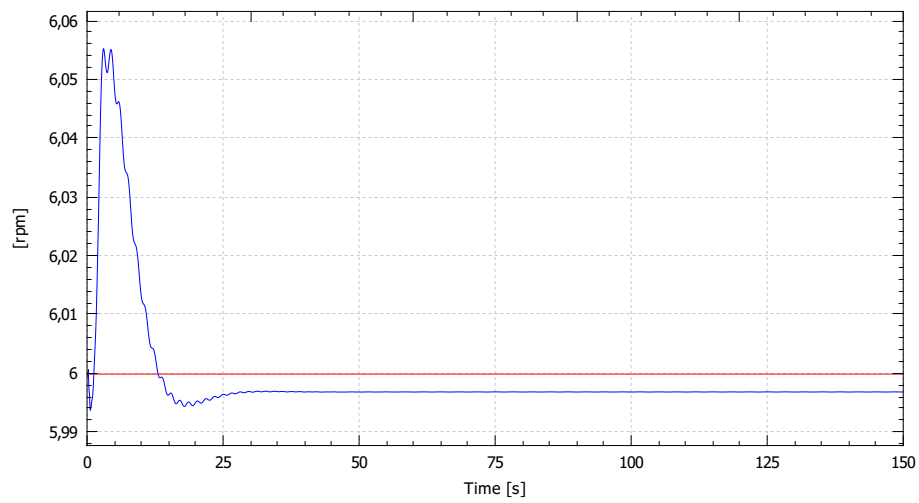
Power (aero)



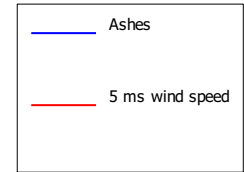
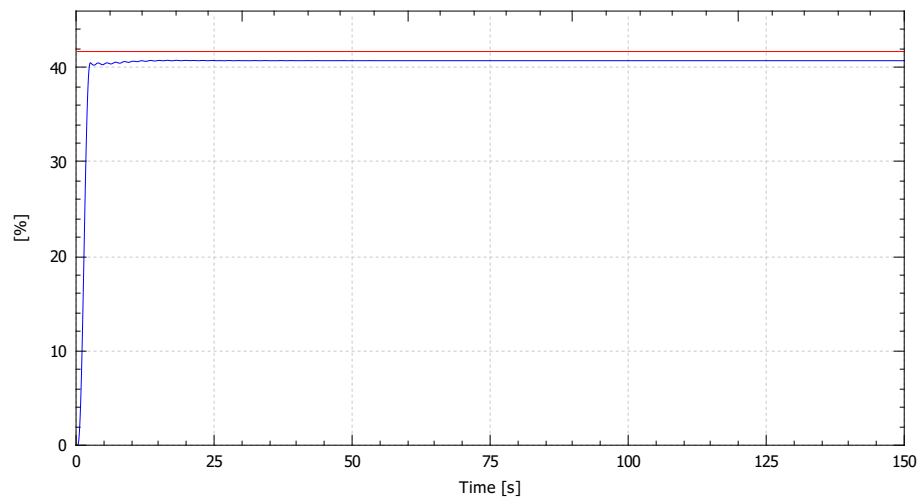
Thrust (aero)



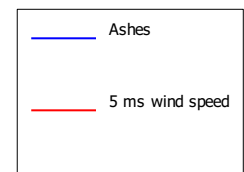
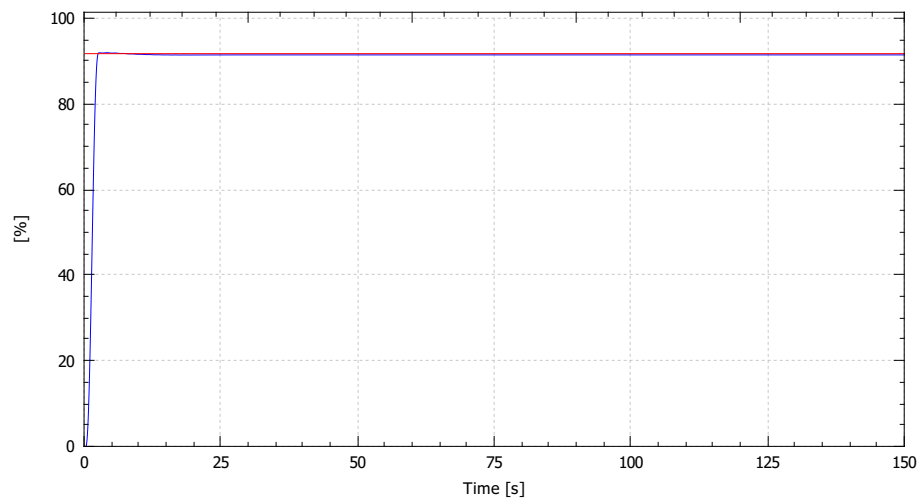
RPM



Power coef. (CP)



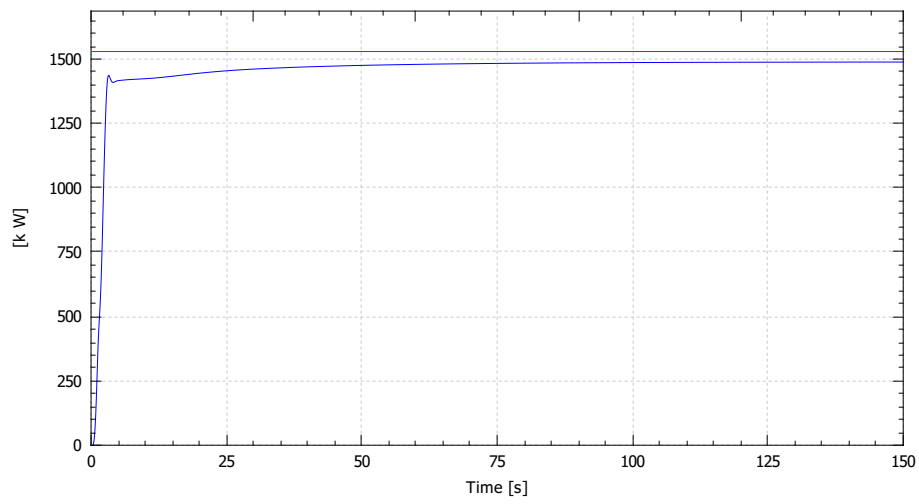
Thrust coef. (CT)



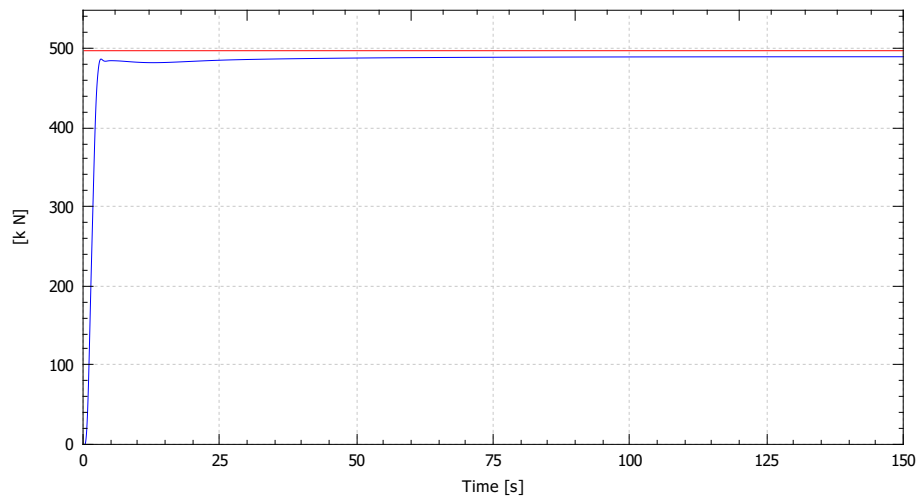
Load case: 6 ms wind speed

Rotor

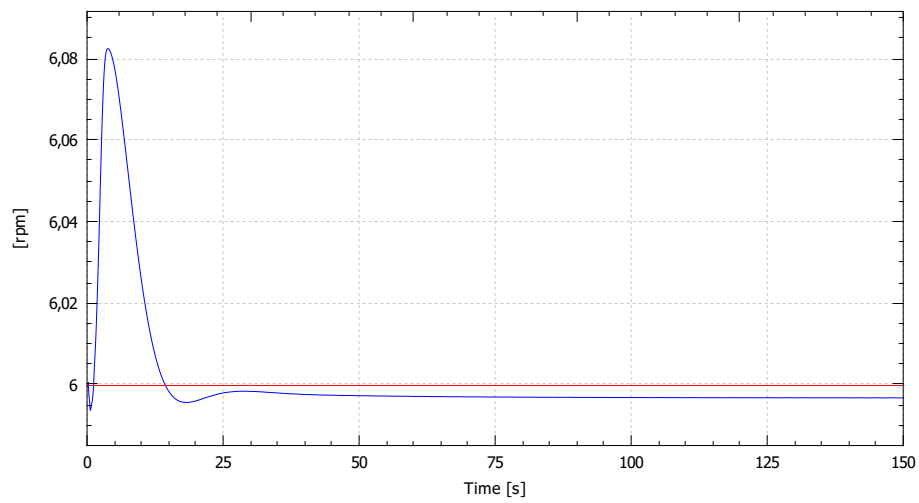
Power (aero)



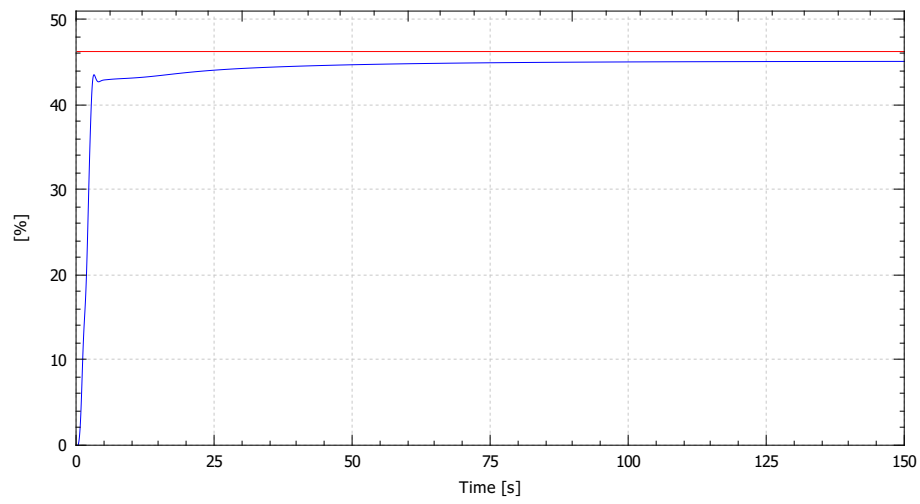
Thrust (aero)



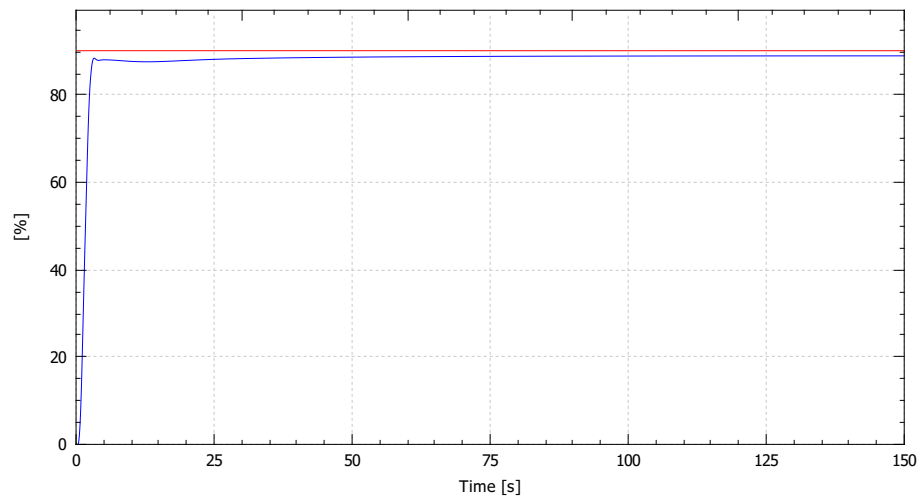
RPM



Power coef. (CP)



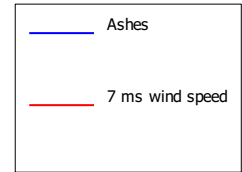
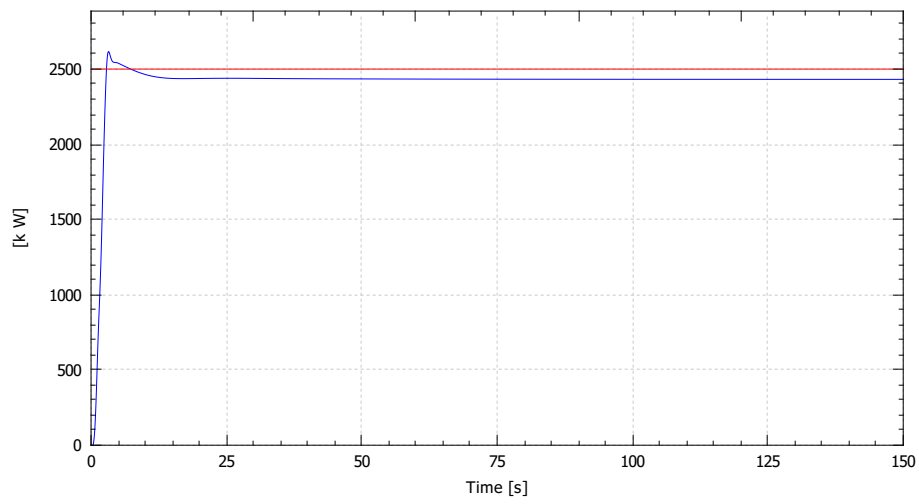
Thrust coef. (CT)



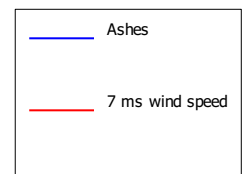
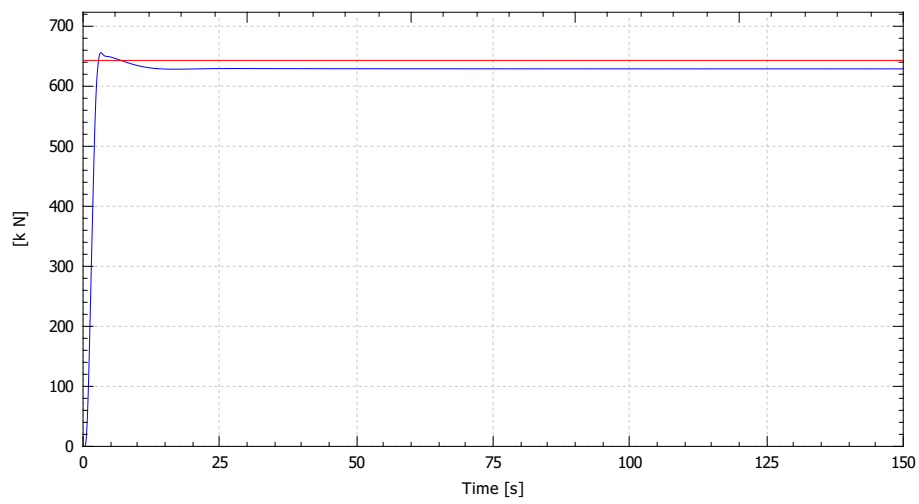
Load case: 7 ms wind speed

Rotor

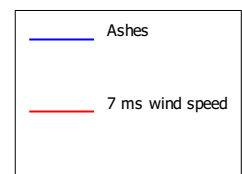
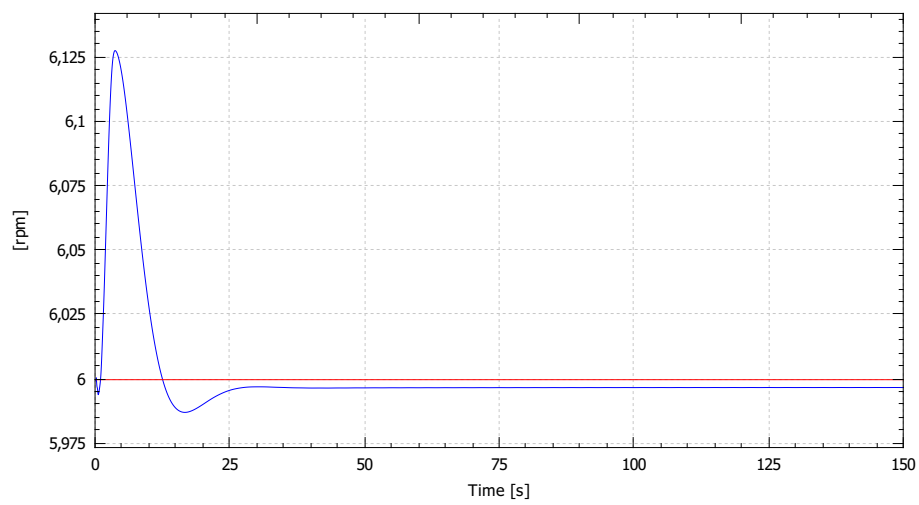
Power (aero)



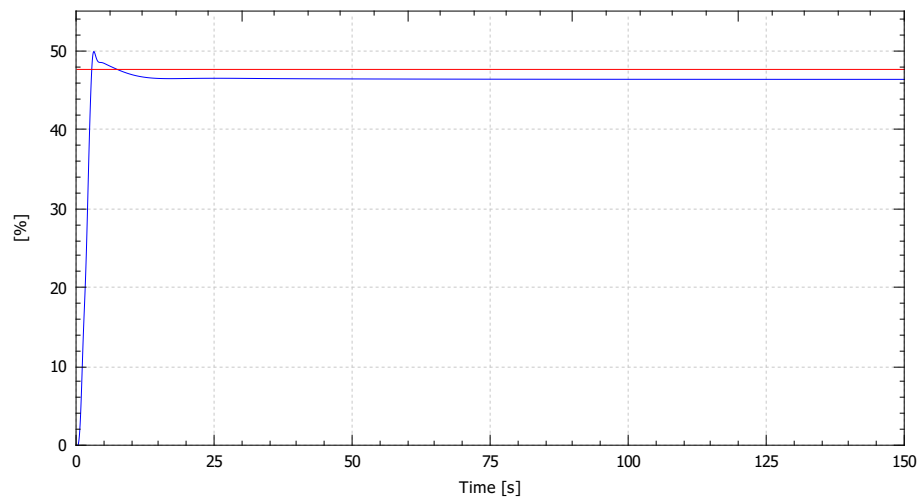
Thrust (aero)



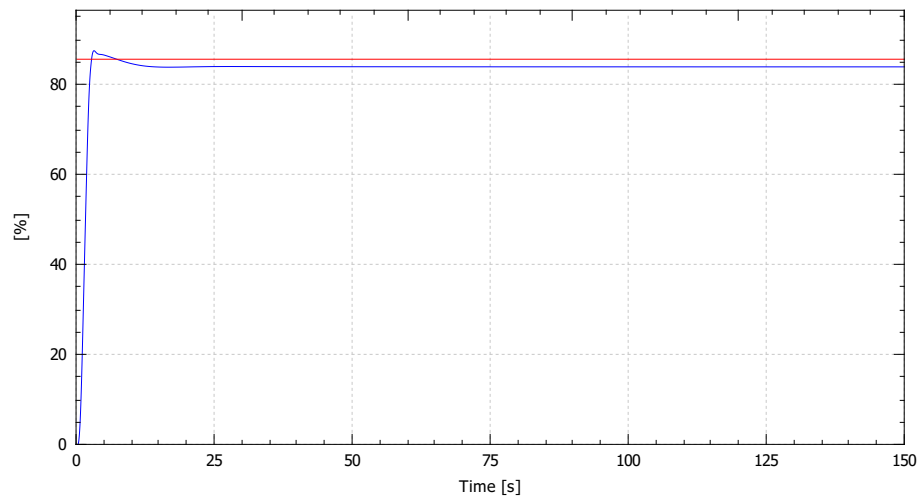
RPM



Power coef. (CP)



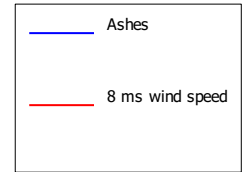
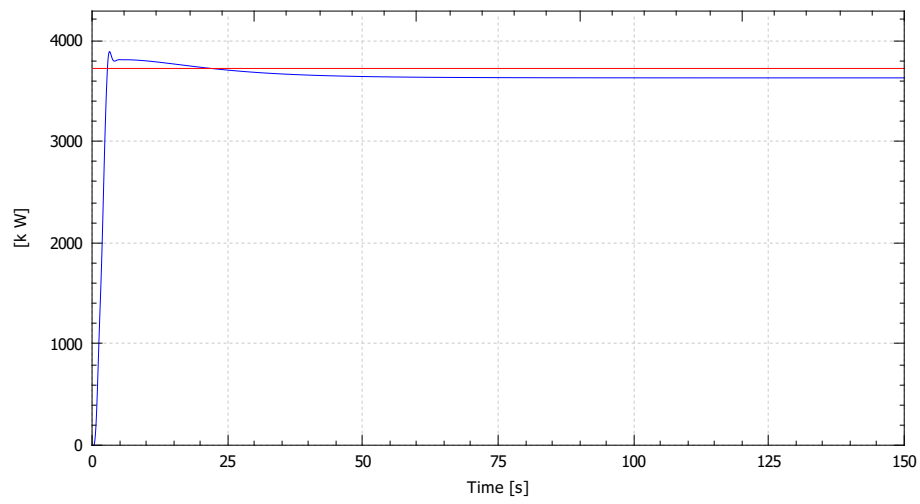
Thrust coef. (CT)



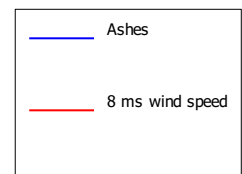
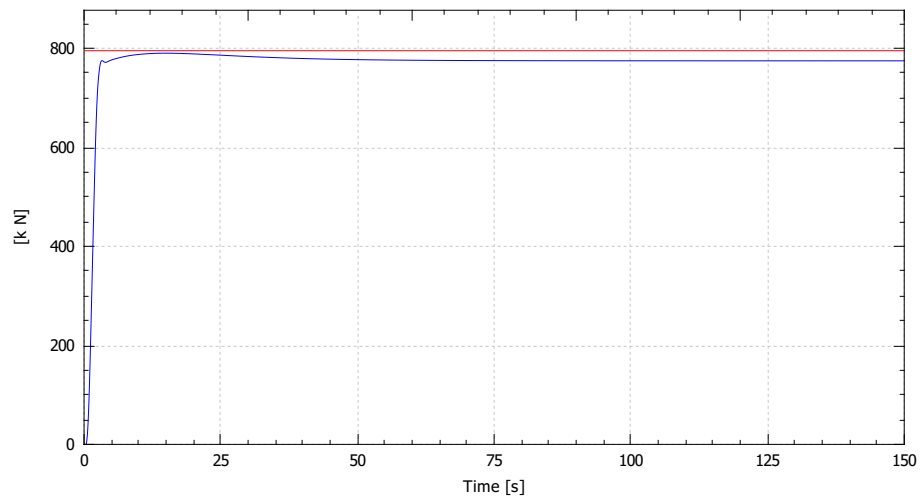
Load case: 8 ms wind speed

Rotor

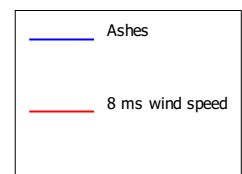
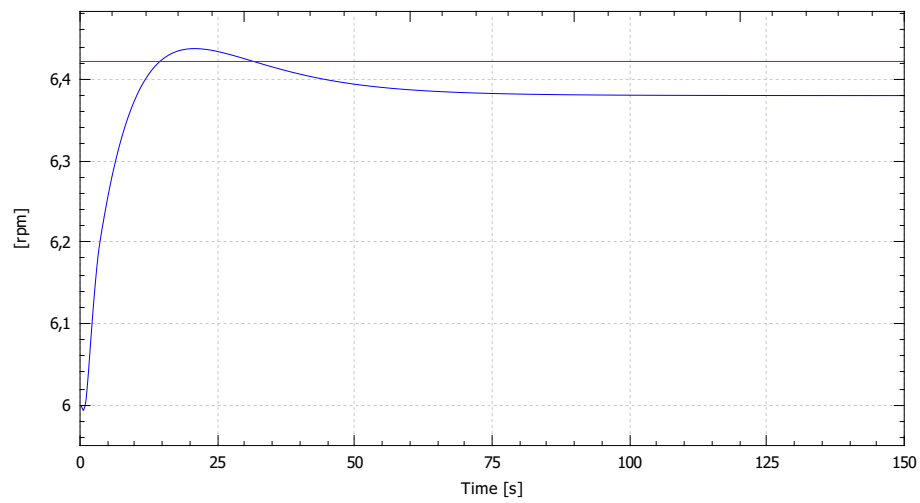
Power (aero)



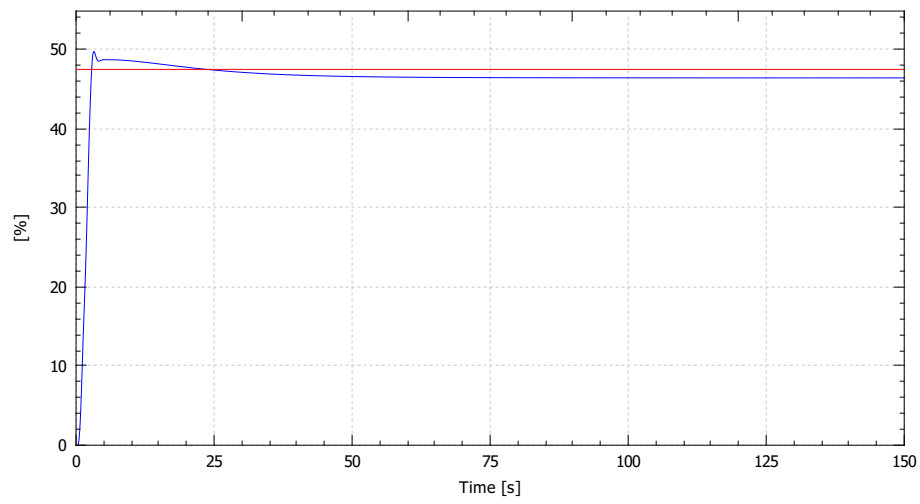
Thrust (aero)



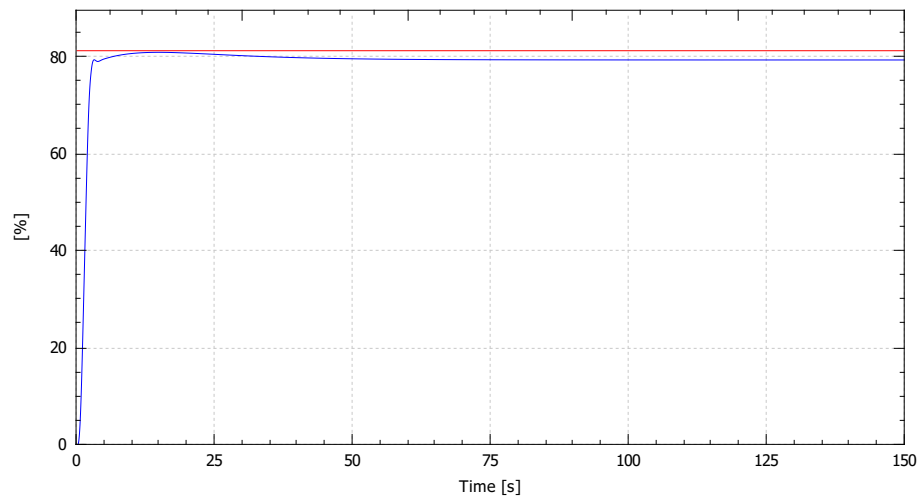
RPM



Power coef. (CP)



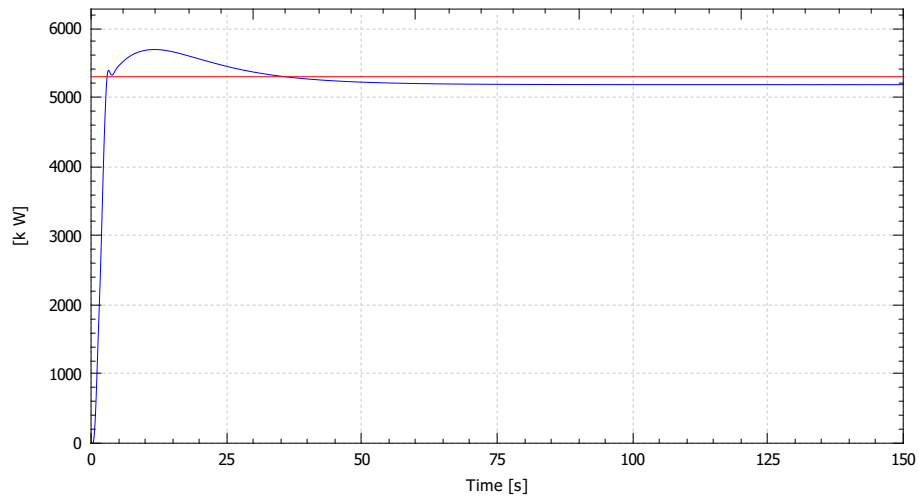
Thrust coef. (CT)



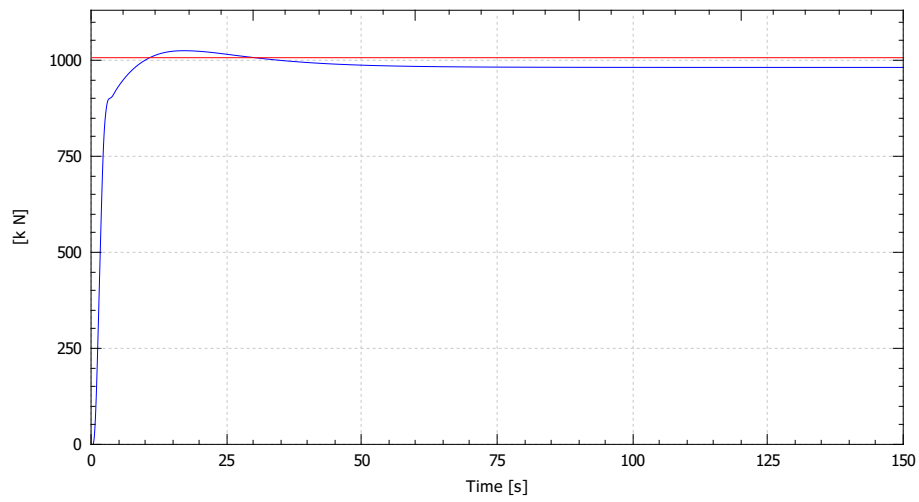
Load case: 9 ms wind speed

Rotor

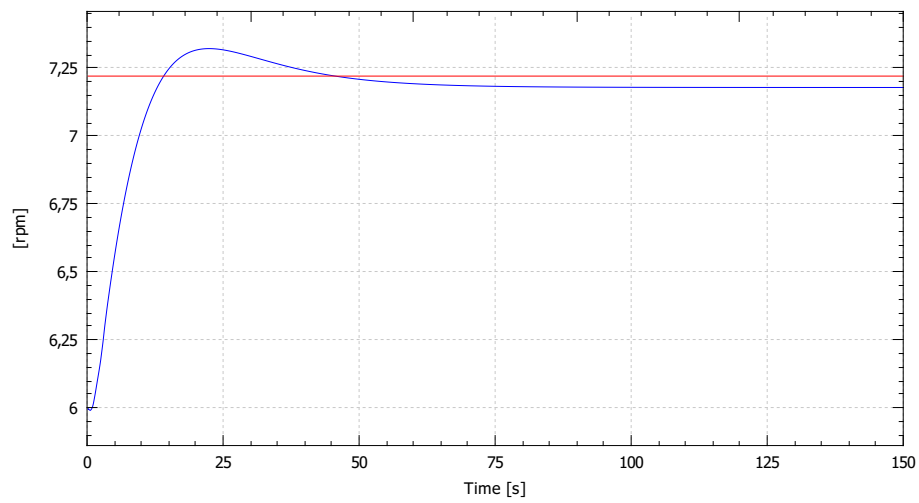
Power (aero)



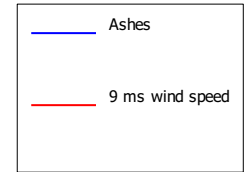
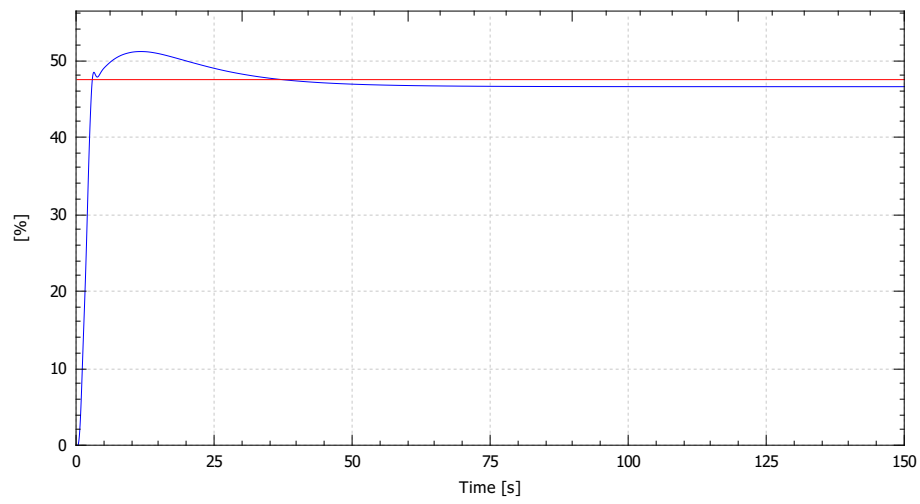
Thrust (aero)



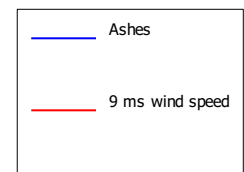
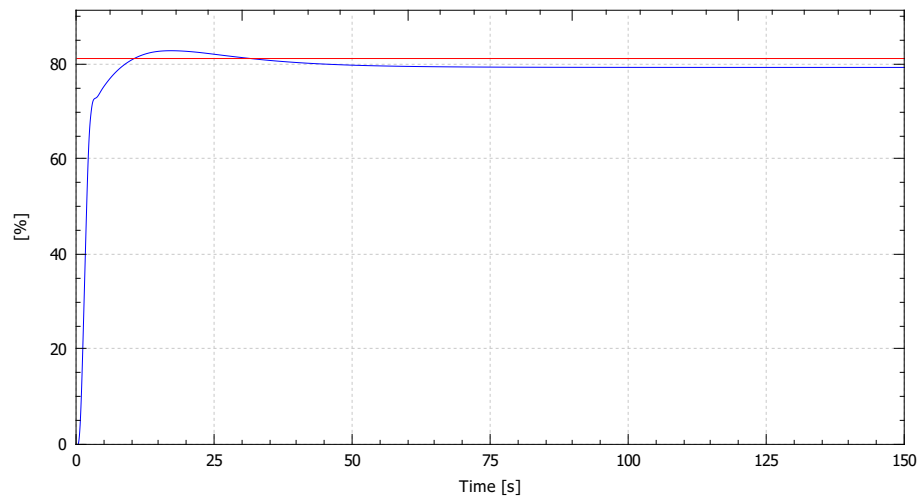
RPM



Power coef. (CP)



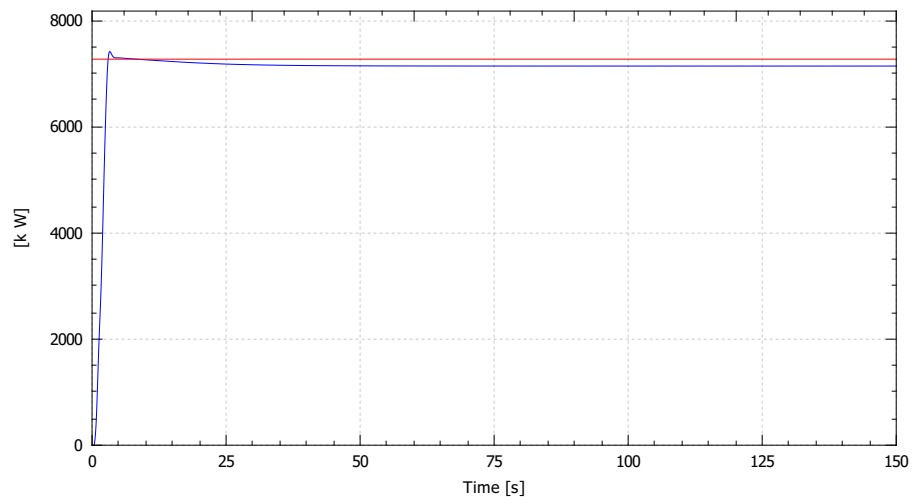
Thrust coef. (CT)



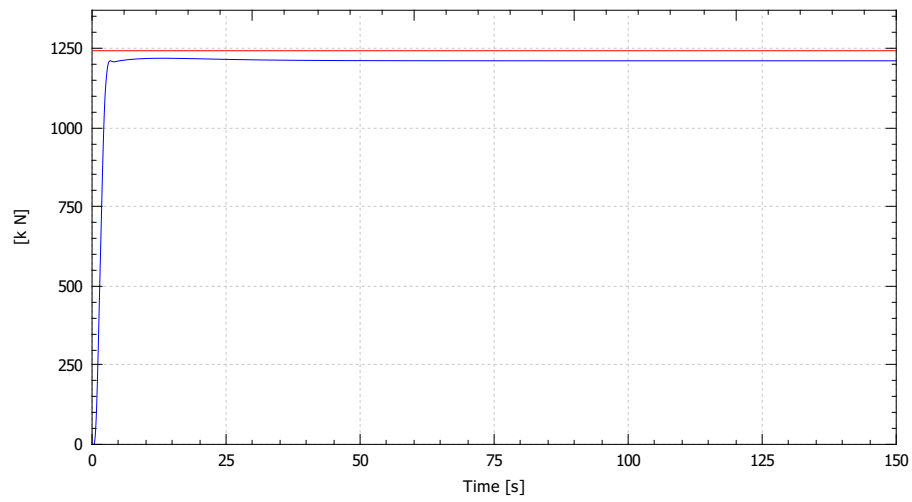
Load case: 10 ms wind speed

Rotor

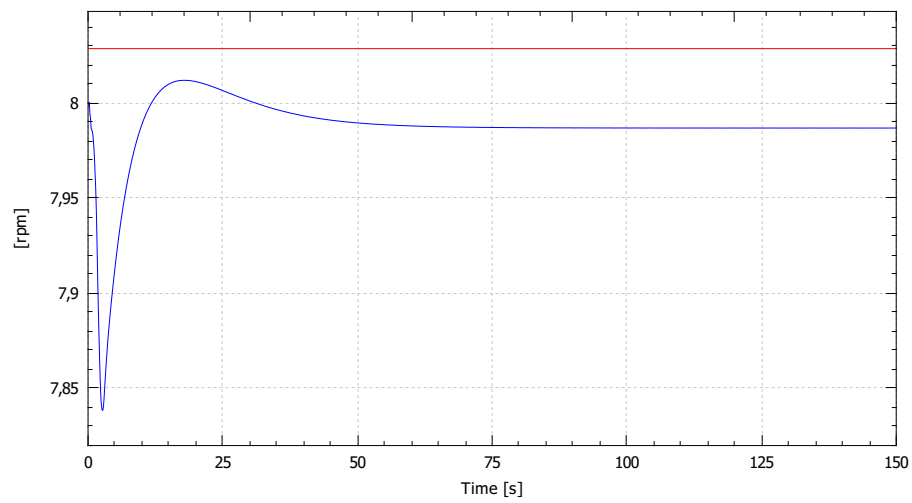
Power (aero)



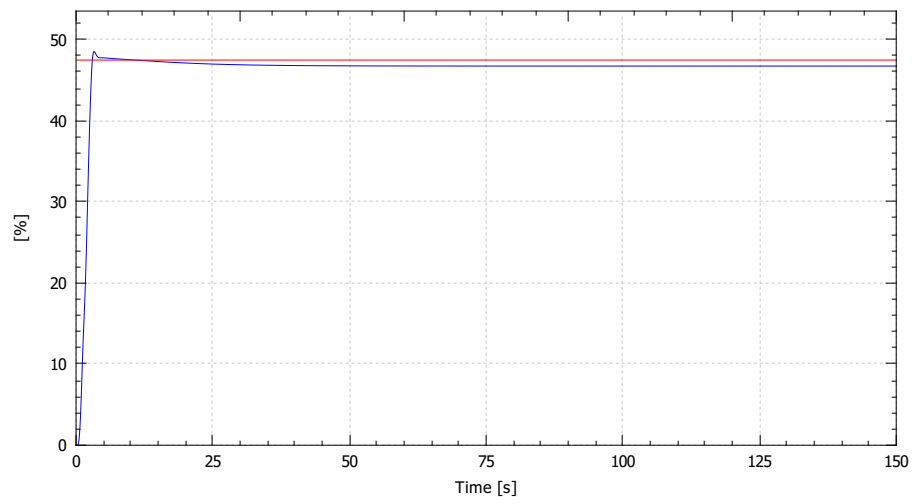
Thrust (aero)



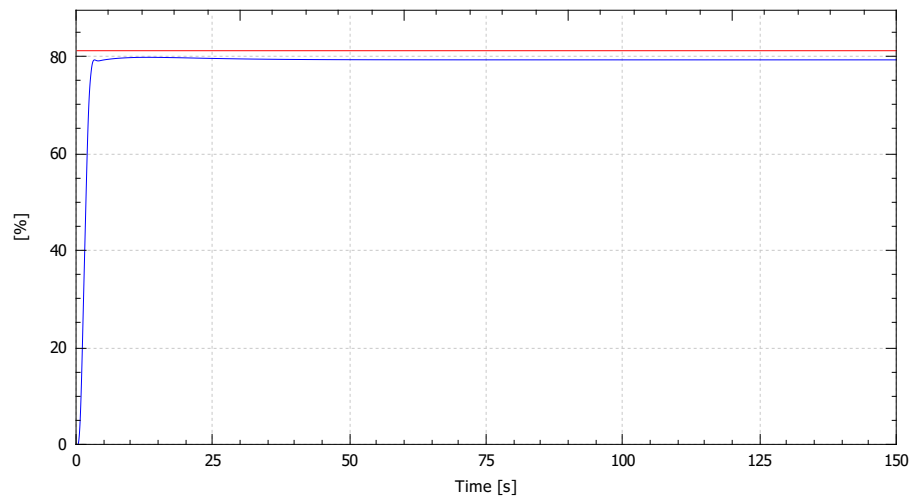
RPM



Power coef. (CP)



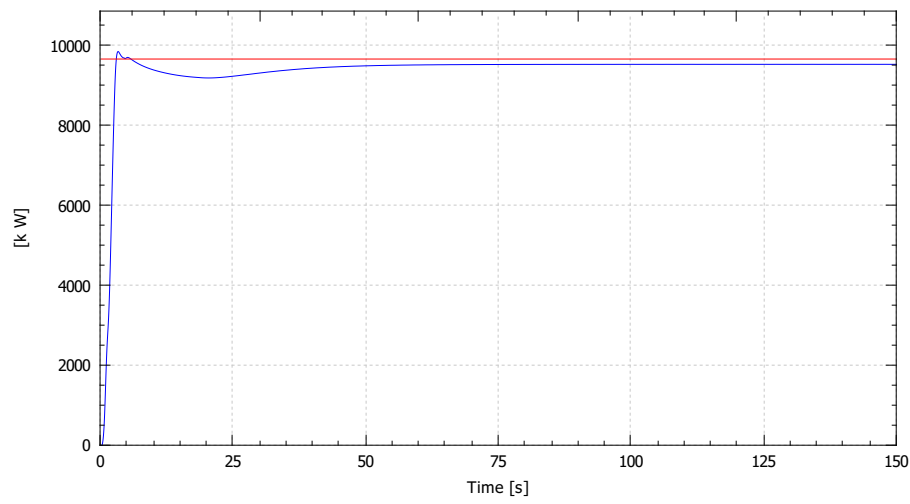
Thrust coef. (CT)



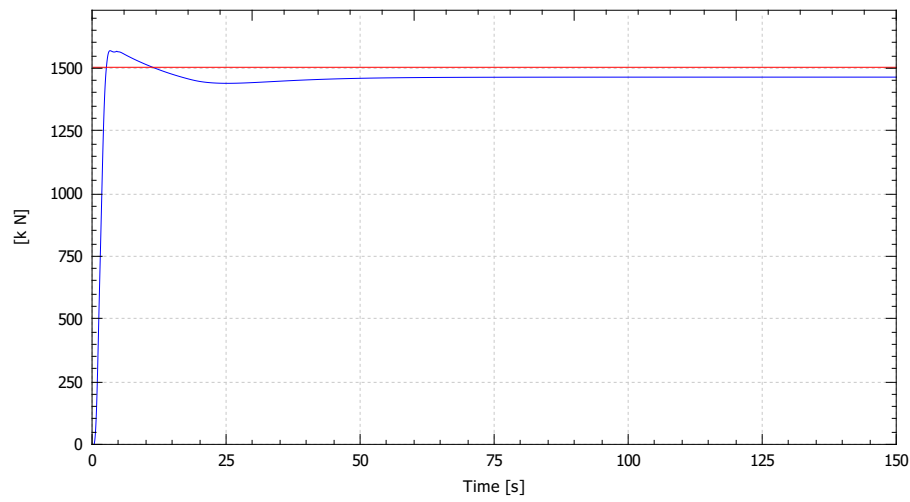
Load case: 11 ms wind speed

Rotor

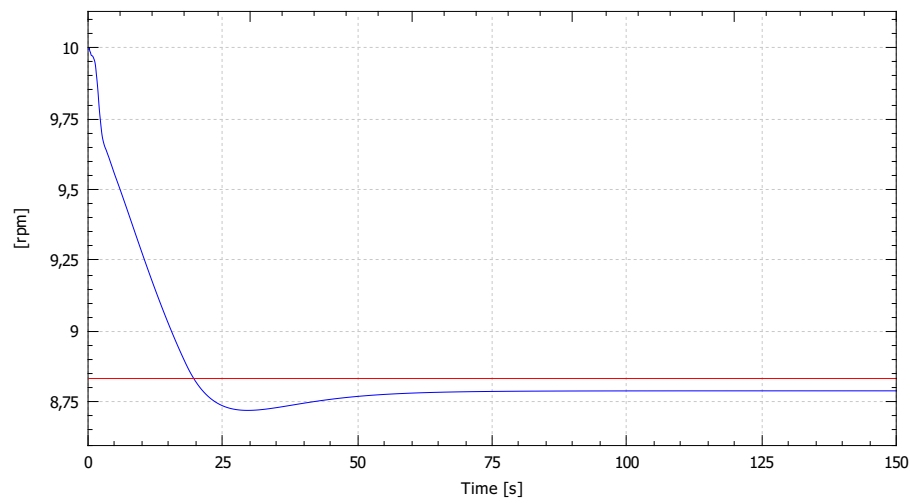
Power (aero)



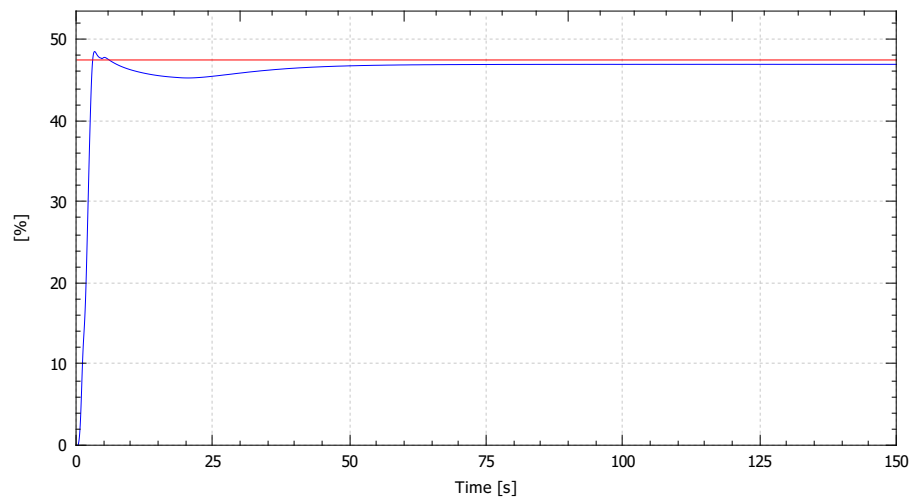
Thrust (aero)



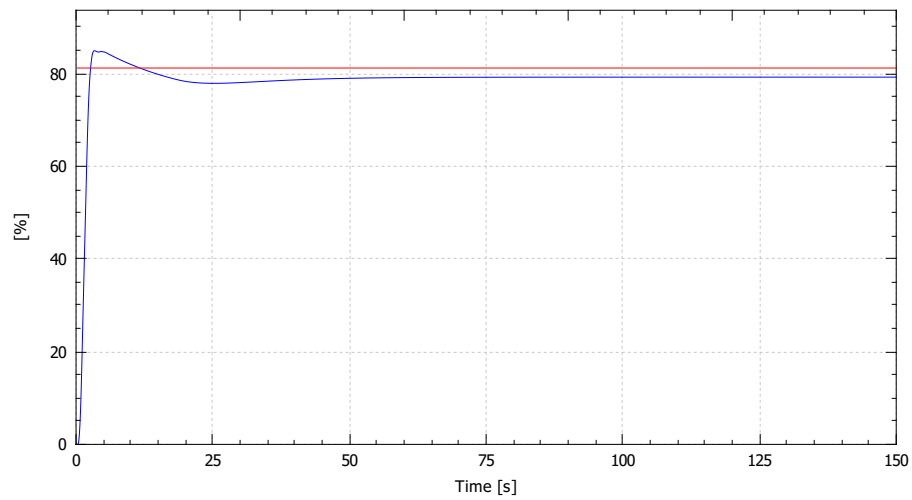
RPM



Power coef. (CP)



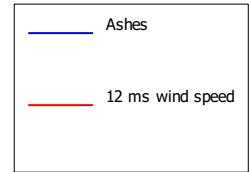
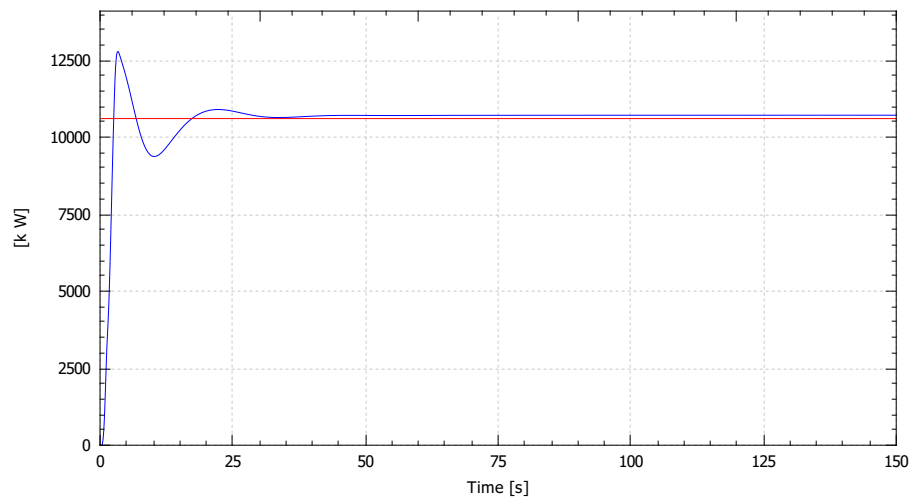
Thrust coef. (CT)



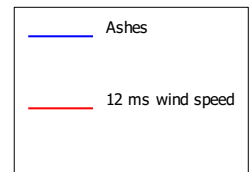
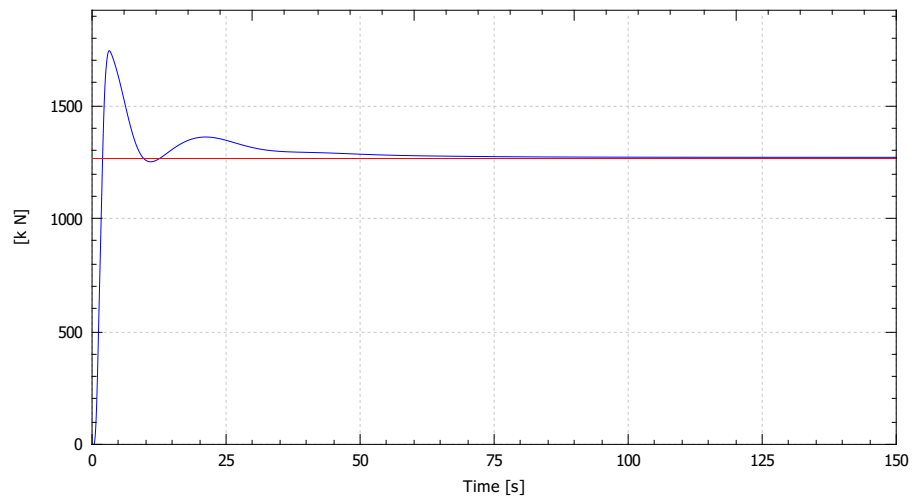
Load case: 12 ms wind speed

Rotor

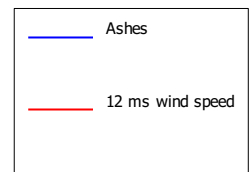
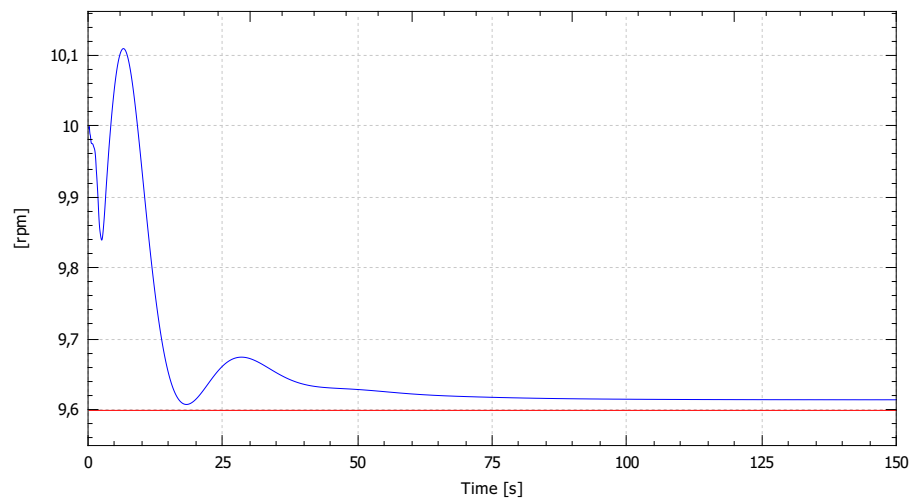
Power (aero)



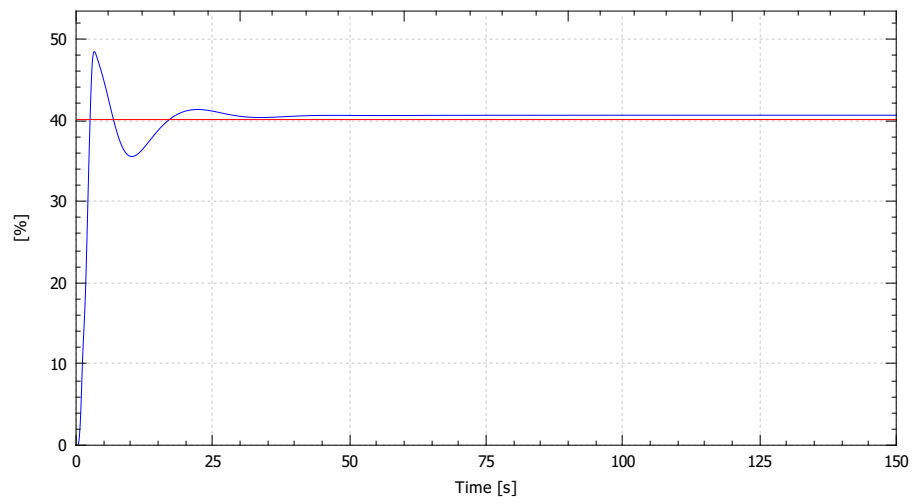
Thrust (aero)



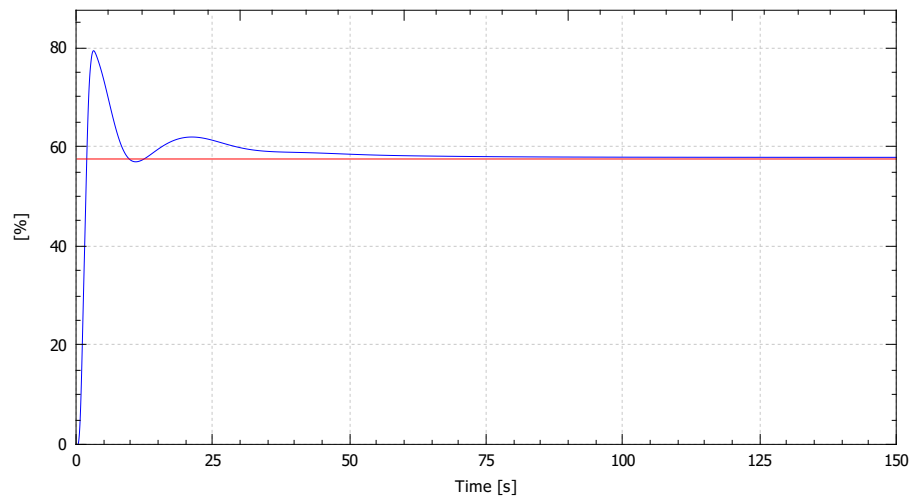
RPM



Power coef. (CP)



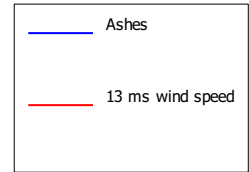
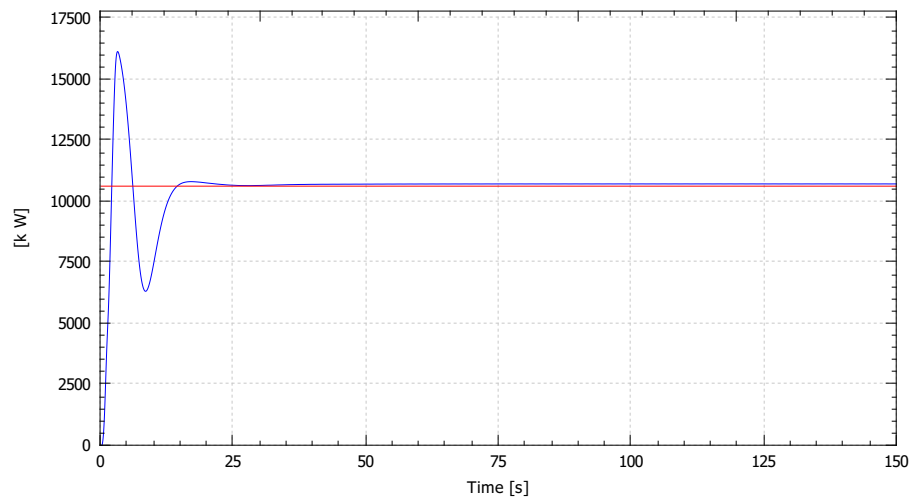
Thrust coef. (CT)



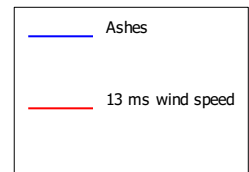
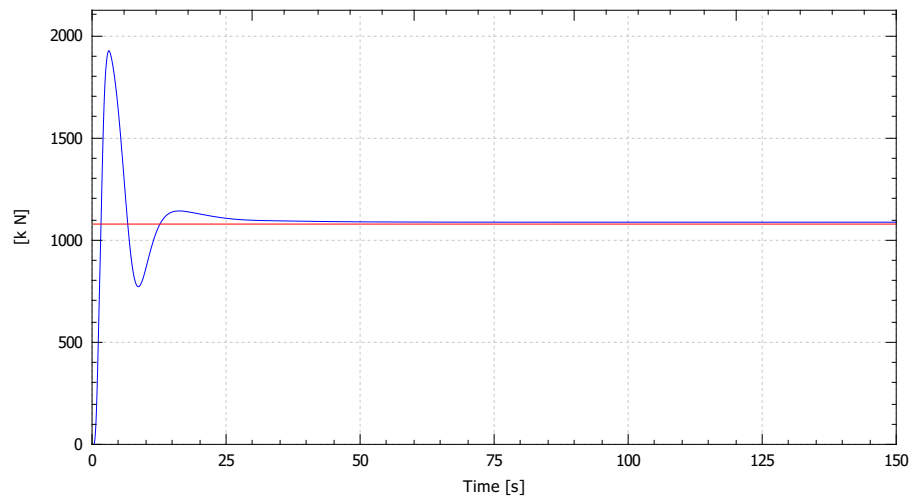
Load case: 13 ms wind speed

Rotor

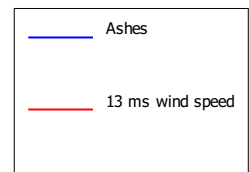
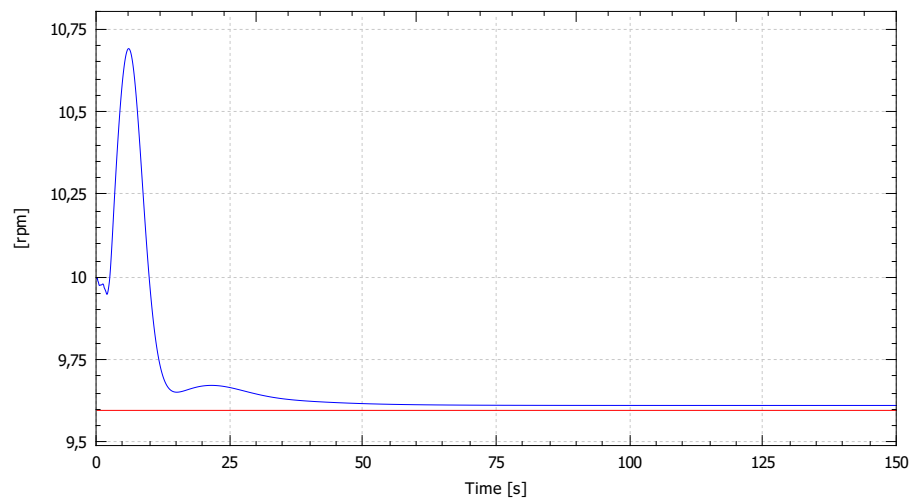
Power (aero)



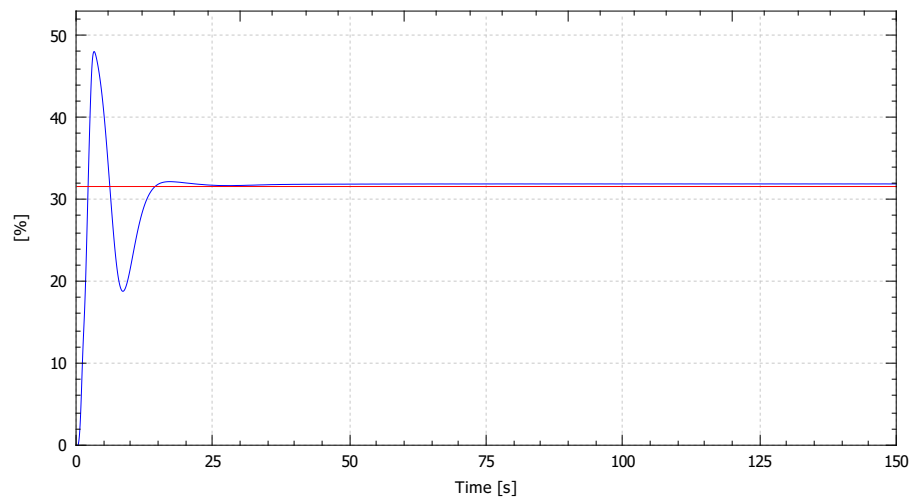
Thrust (aero)



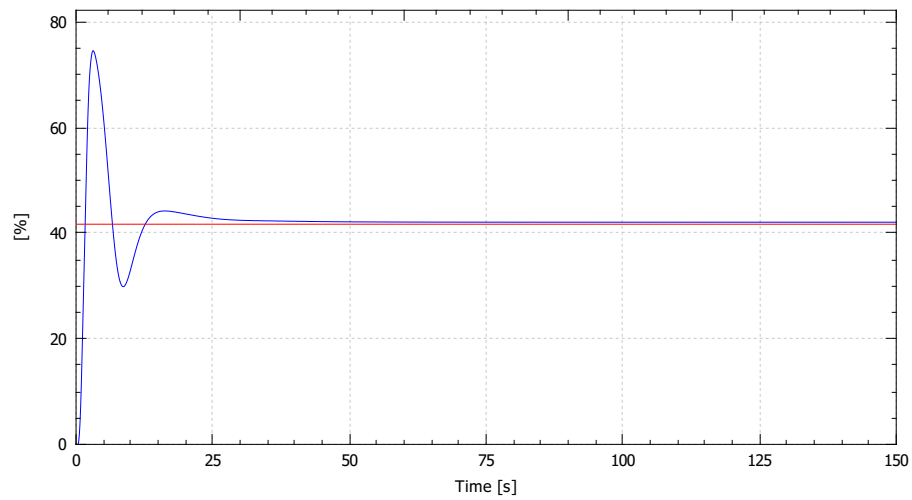
RPM



Power coef. (CP)



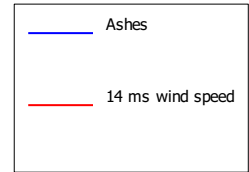
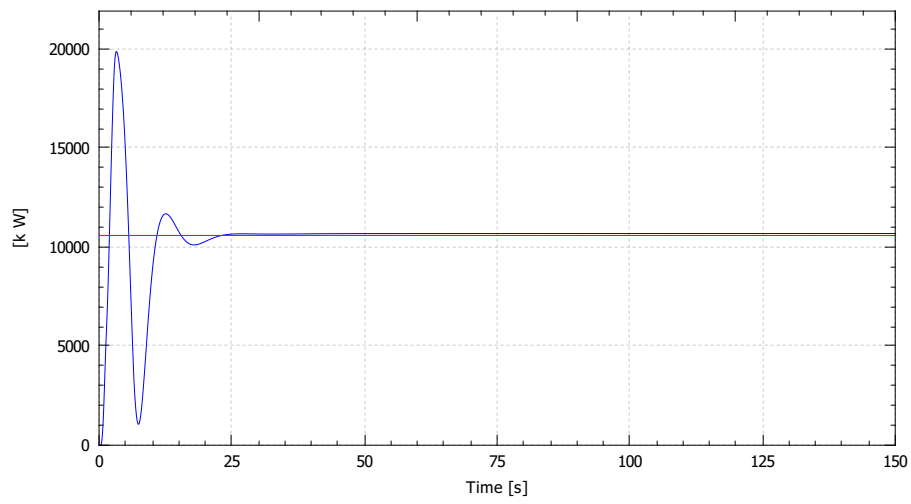
Thrust coef. (CT)



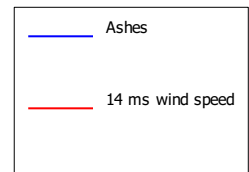
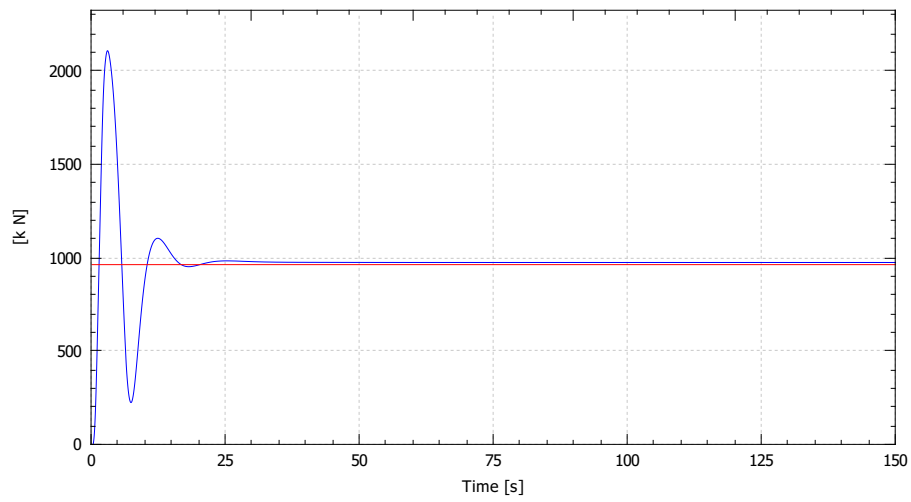
Load case: 14 ms wind speed

Rotor

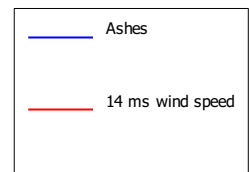
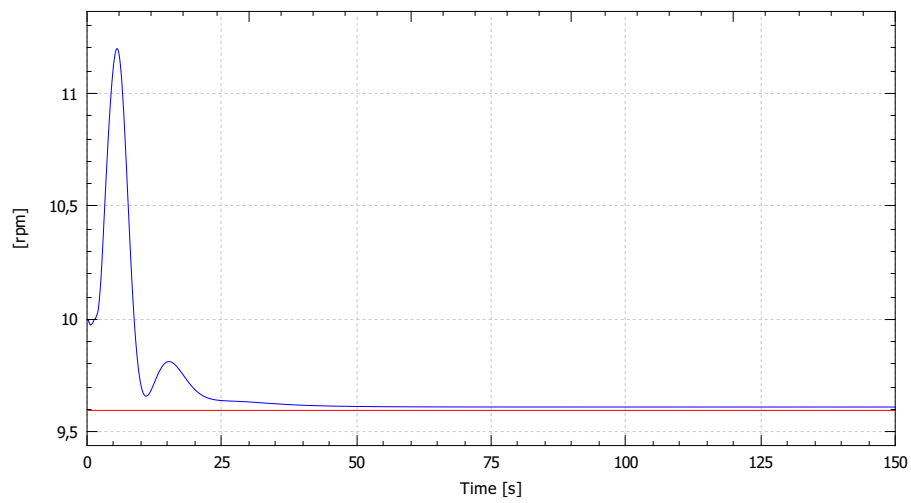
Power (aero)



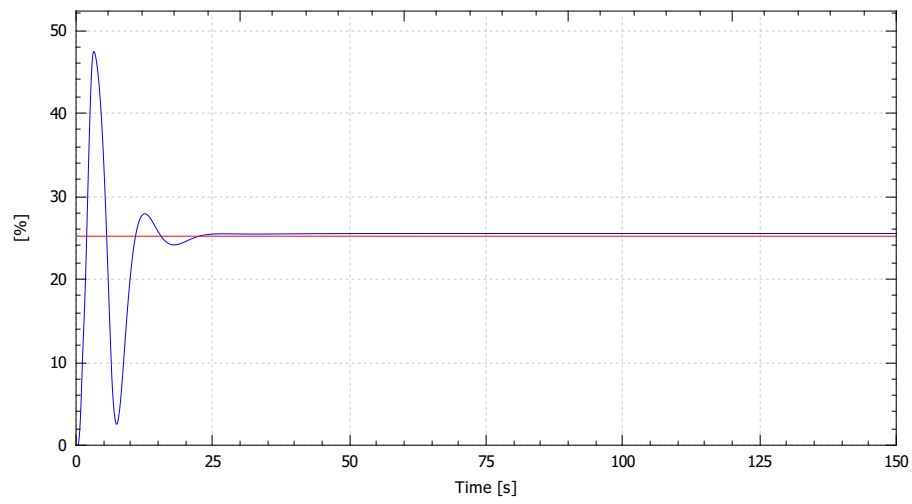
Thrust (aero)



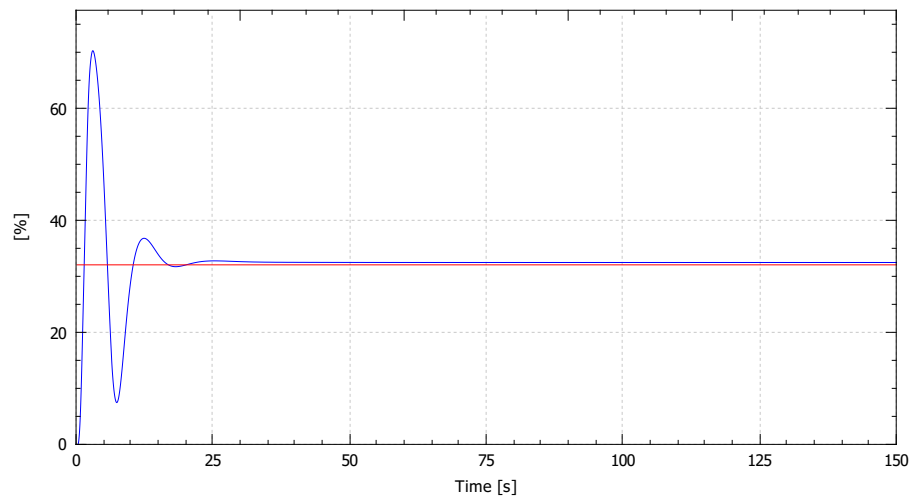
RPM



Power coef. (CP)



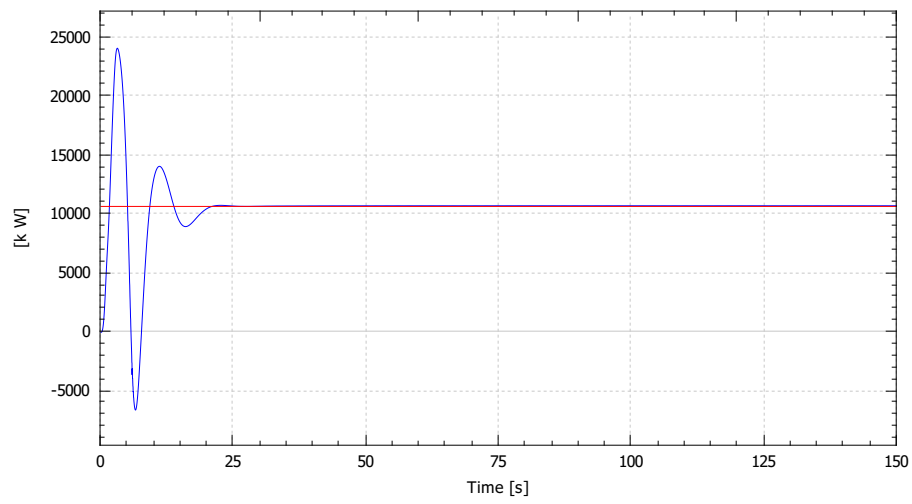
Thrust coef. (CT)



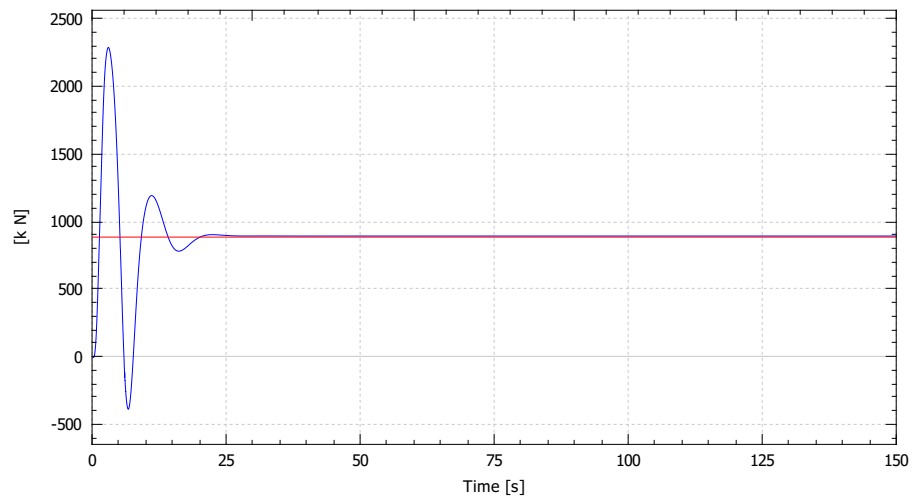
Load case: 15 ms wind speed

Rotor

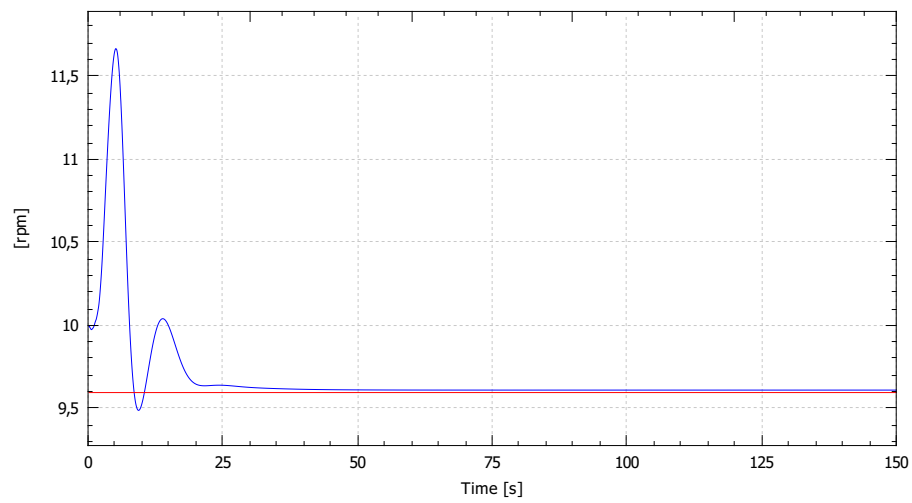
Power (aero)



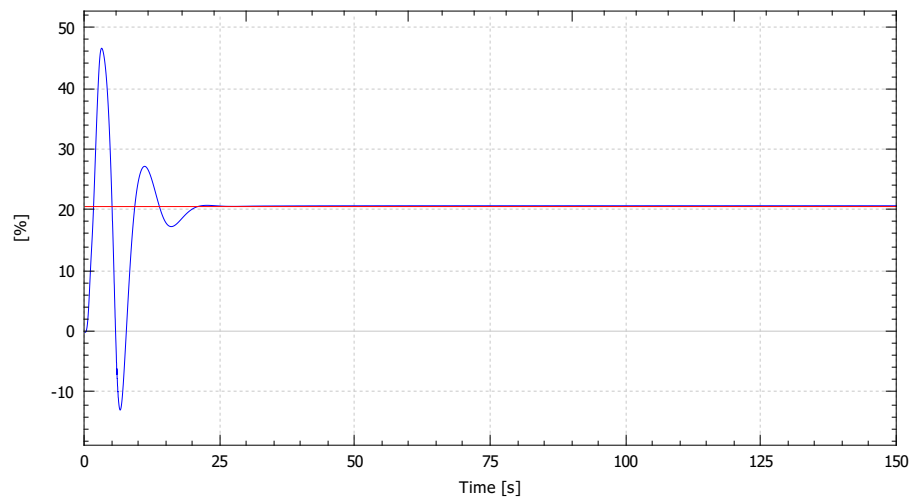
Thrust (aero)



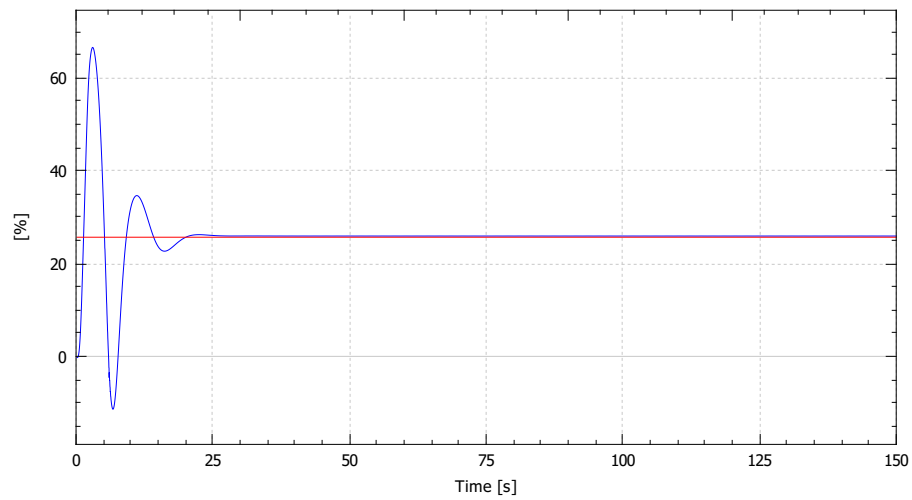
RPM



Power coef. (CP)



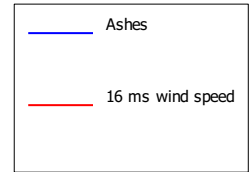
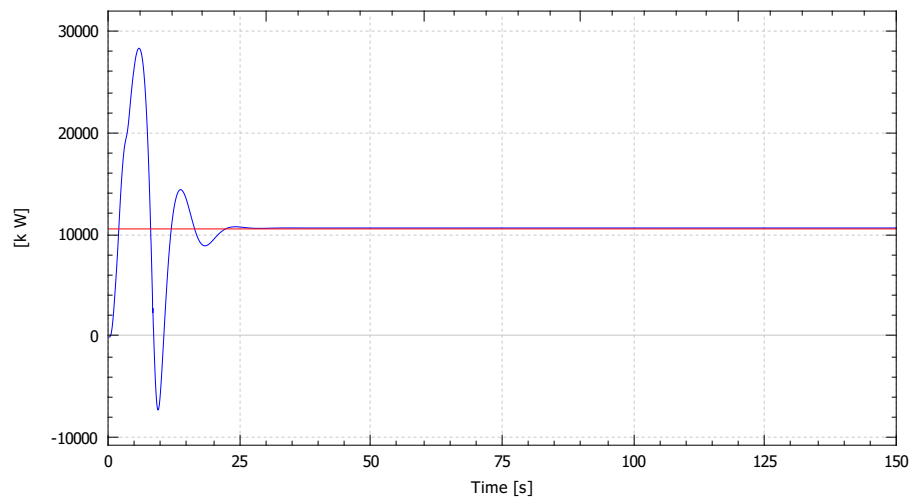
Thrust coef. (CT)



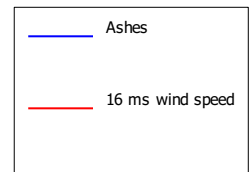
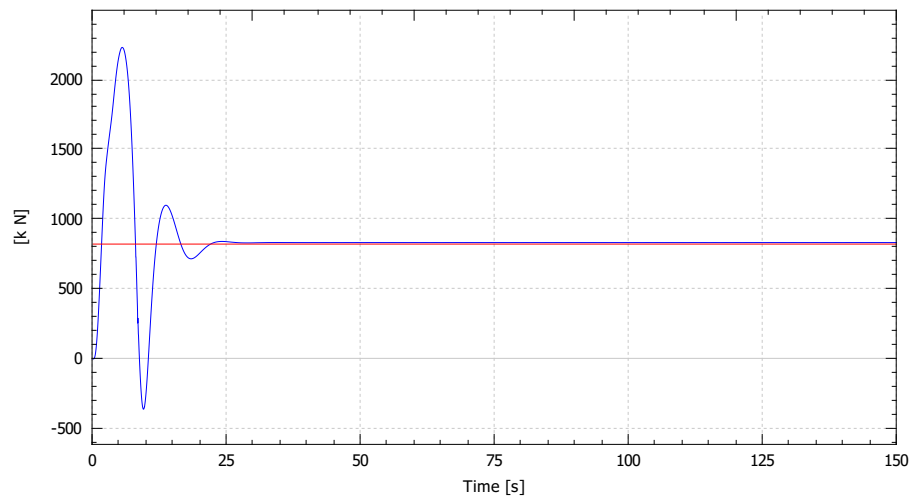
Load case: 16 ms wind speed

Rotor

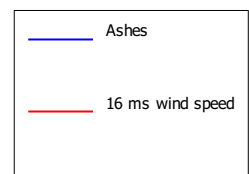
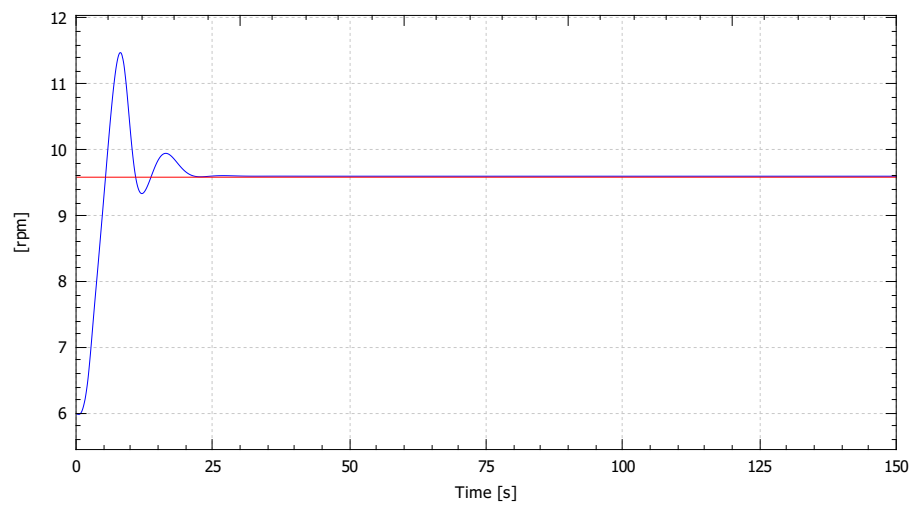
Power (aero)



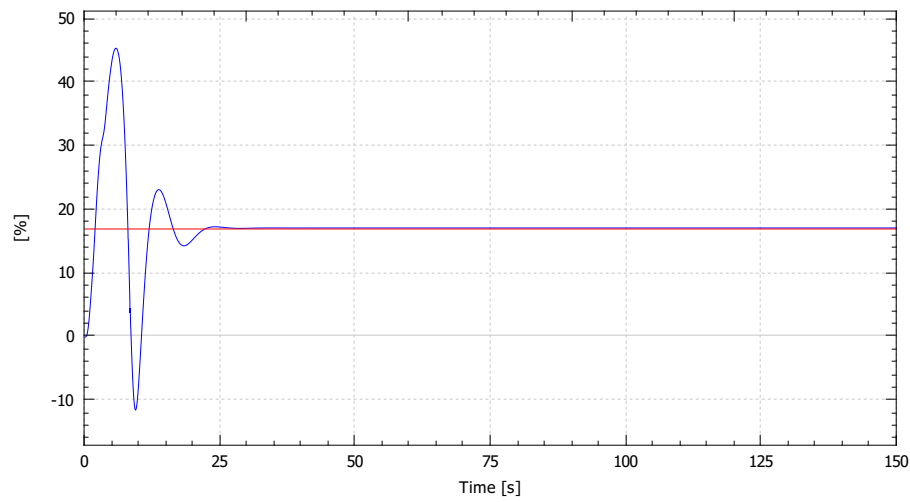
Thrust (aero)



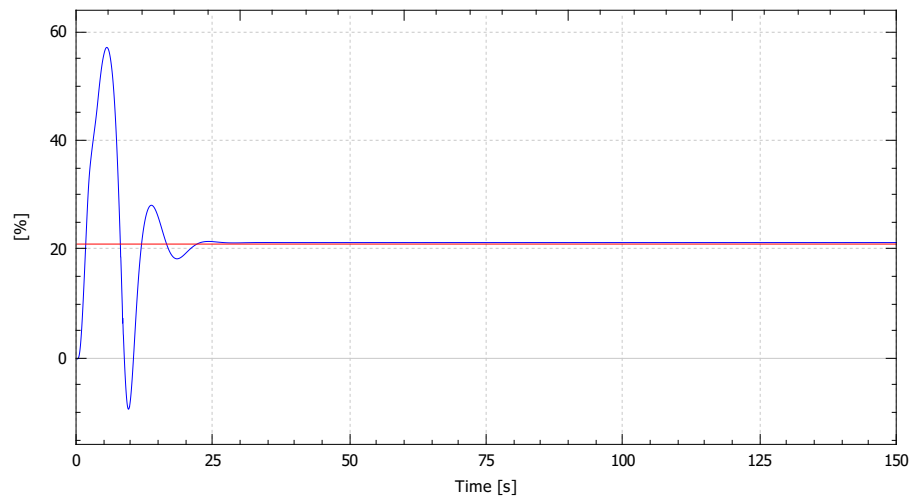
RPM



Power coef. (CP)



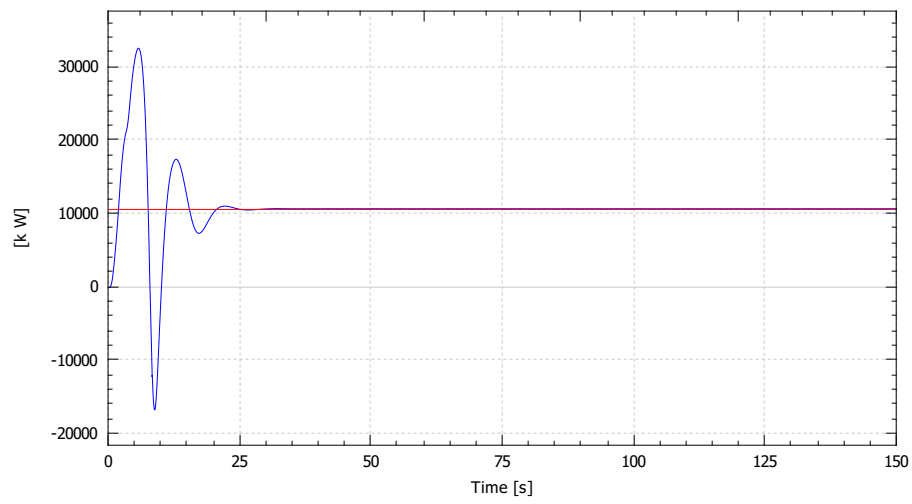
Thrust coef. (CT)



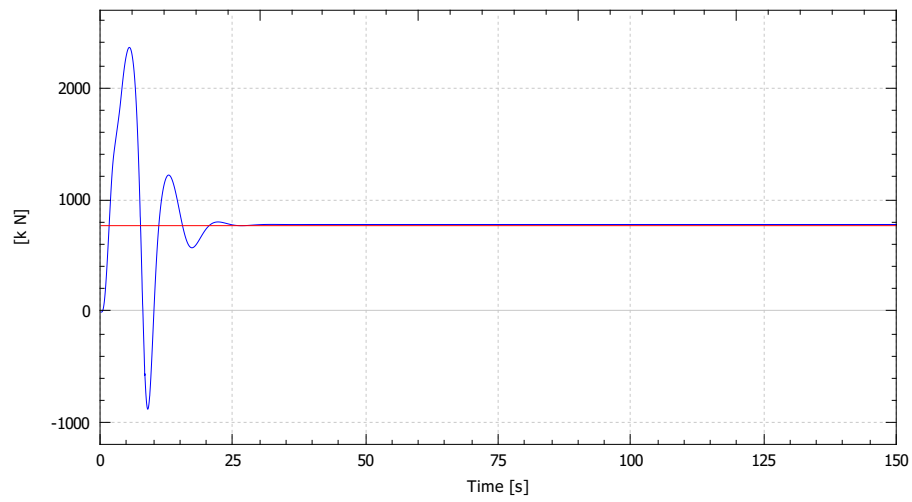
Load case: 17 ms wind speed

Rotor

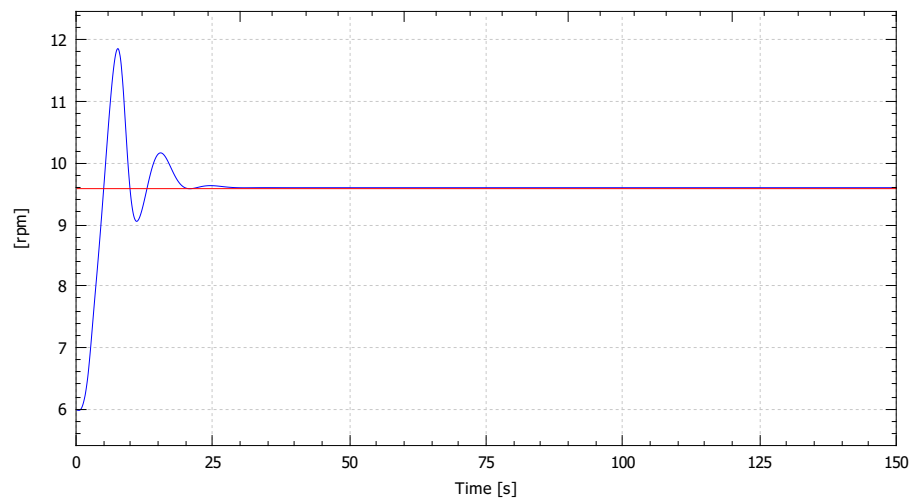
Power (aero)



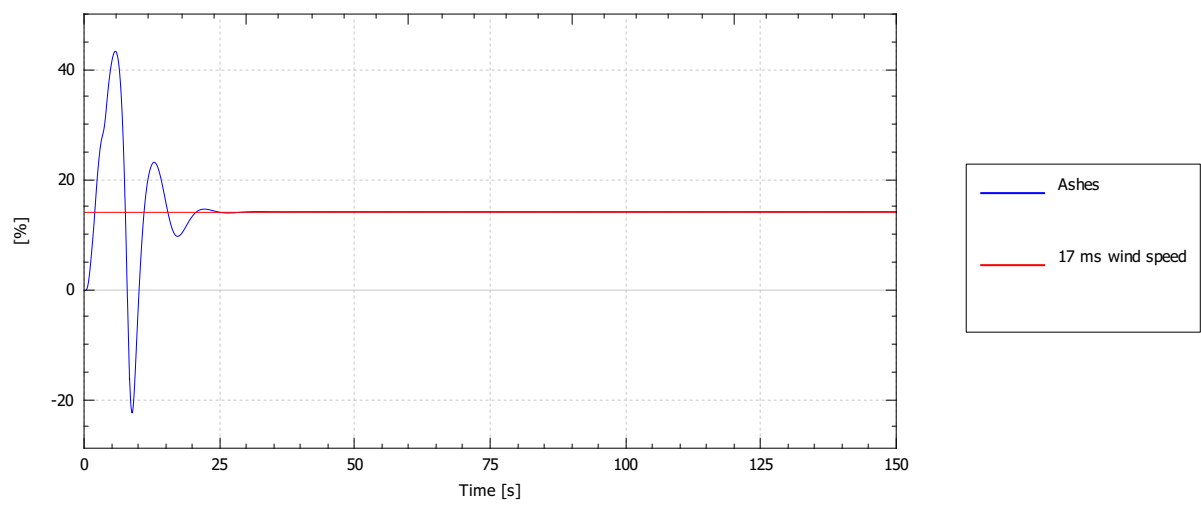
Thrust (aero)



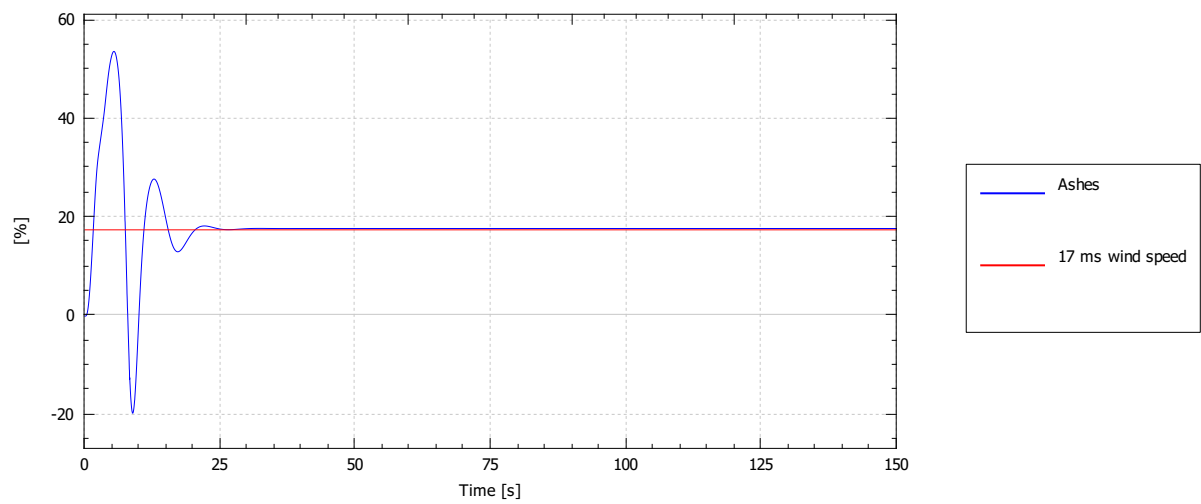
RPM



Power coef. (CP)



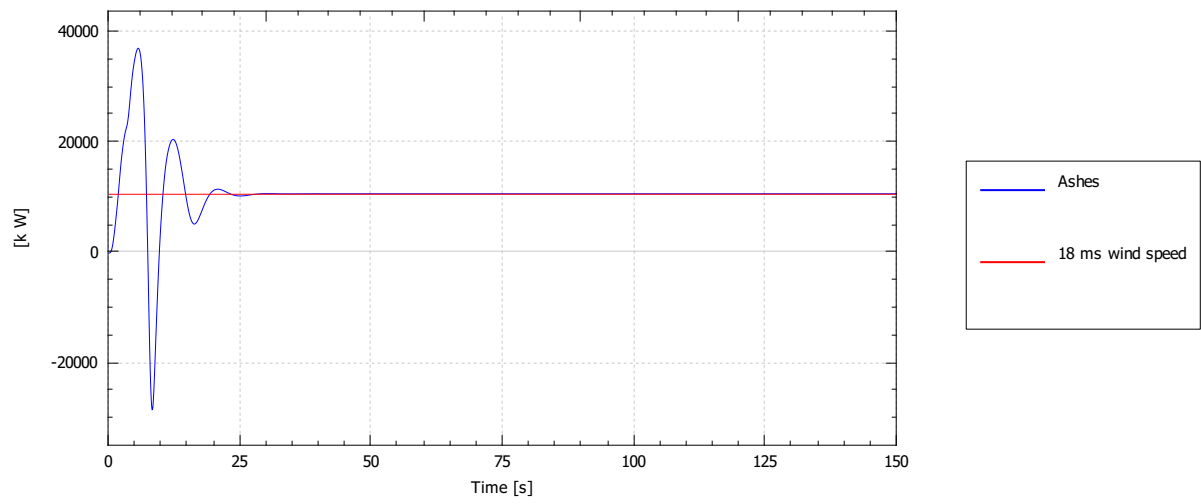
Thrust coef. (CT)



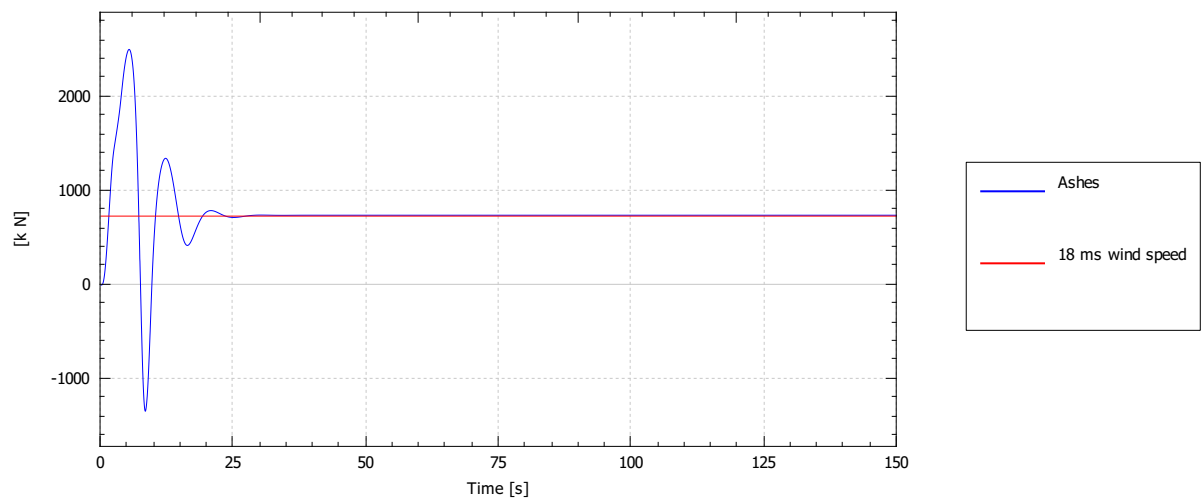
Load case: 18 ms wind speed

Rotor

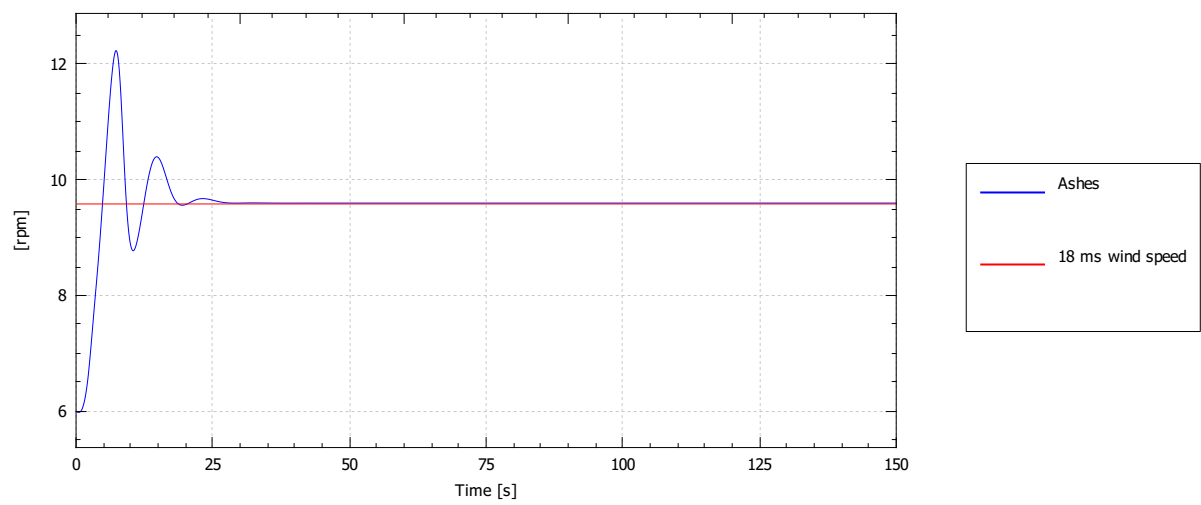
Power (aero)



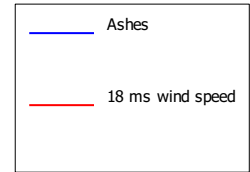
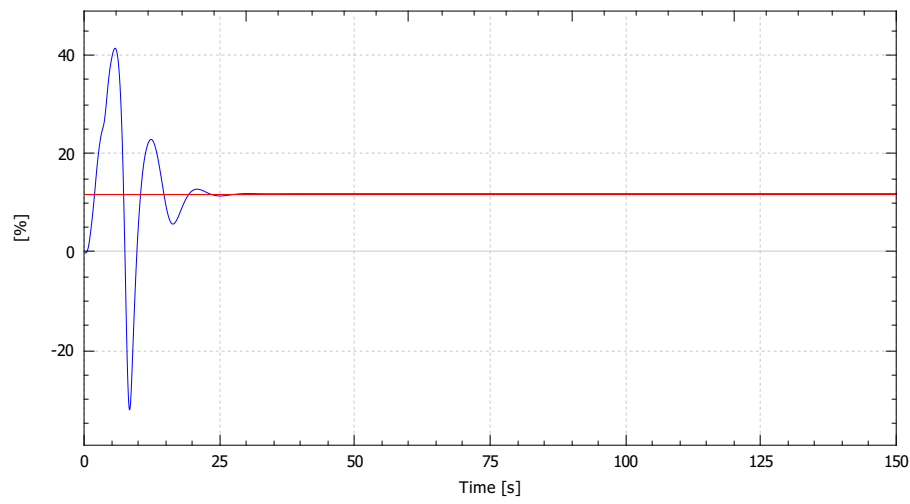
Thrust (aero)



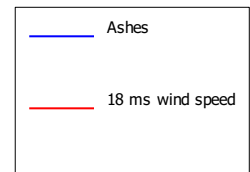
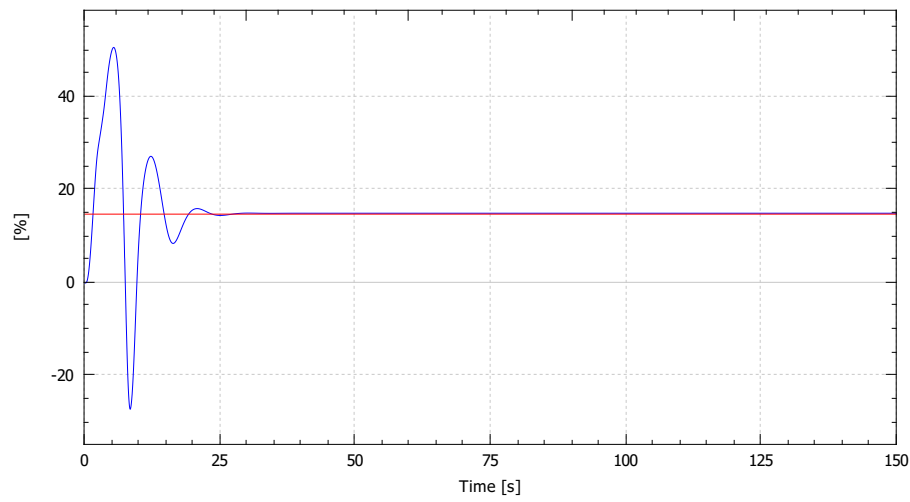
RPM



Power coef. (CP)



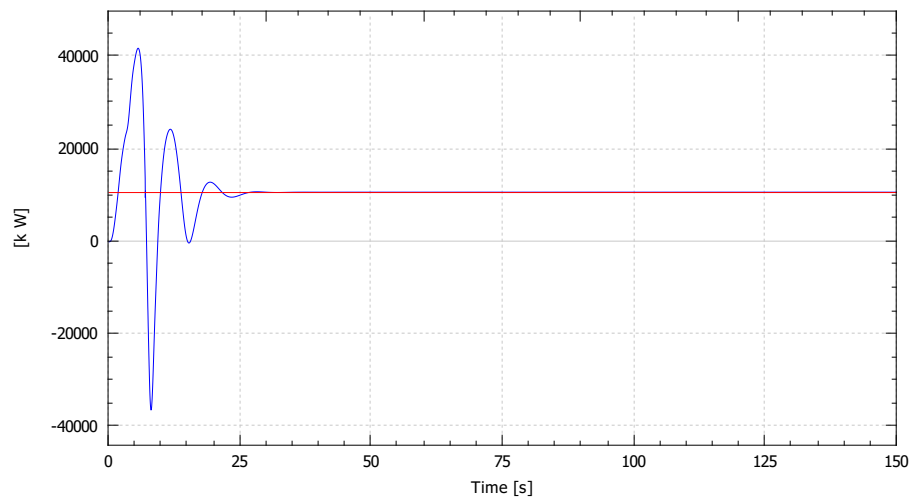
Thrust coef. (CT)



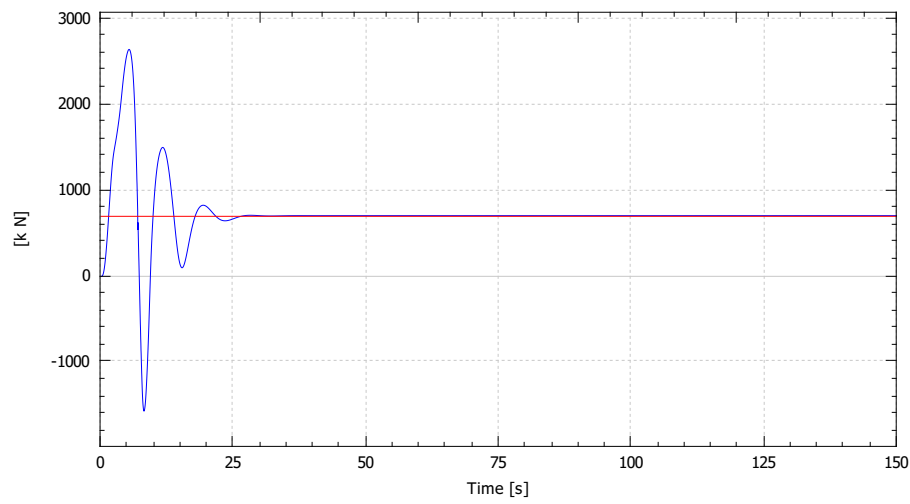
Load case: 19 ms wind speed

Rotor

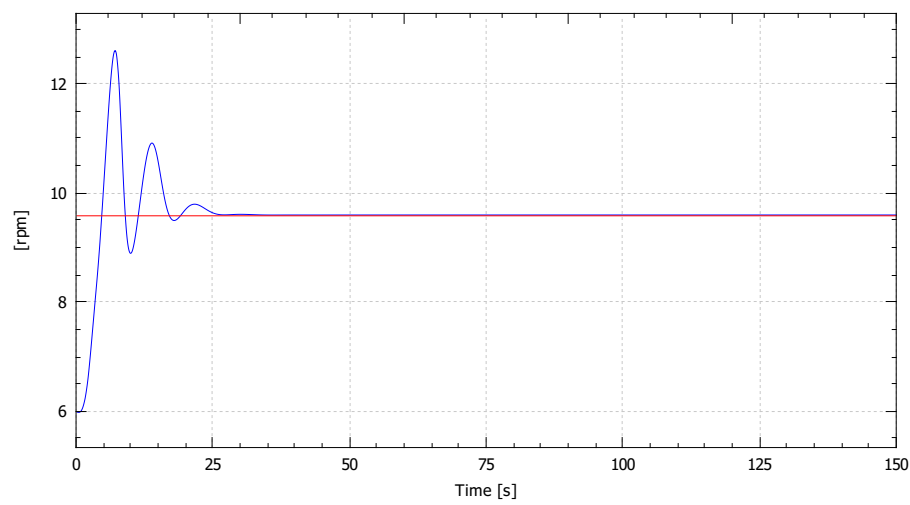
Power (aero)



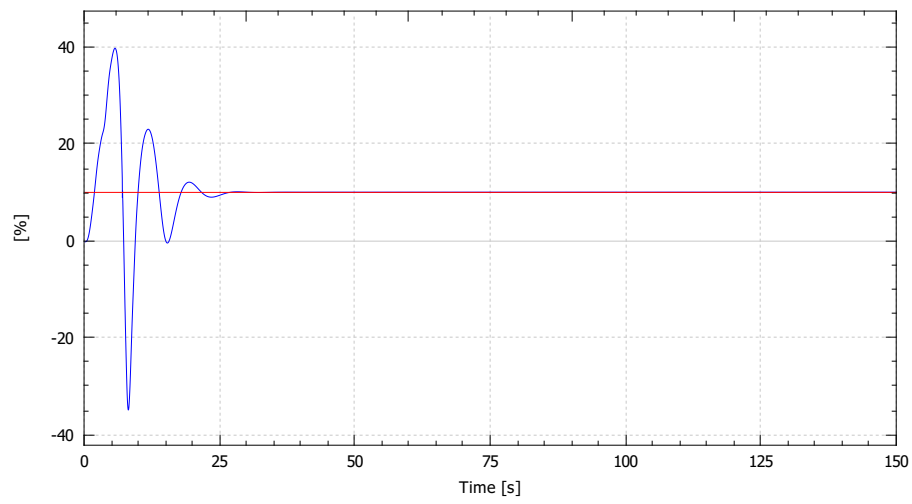
Thrust (aero)



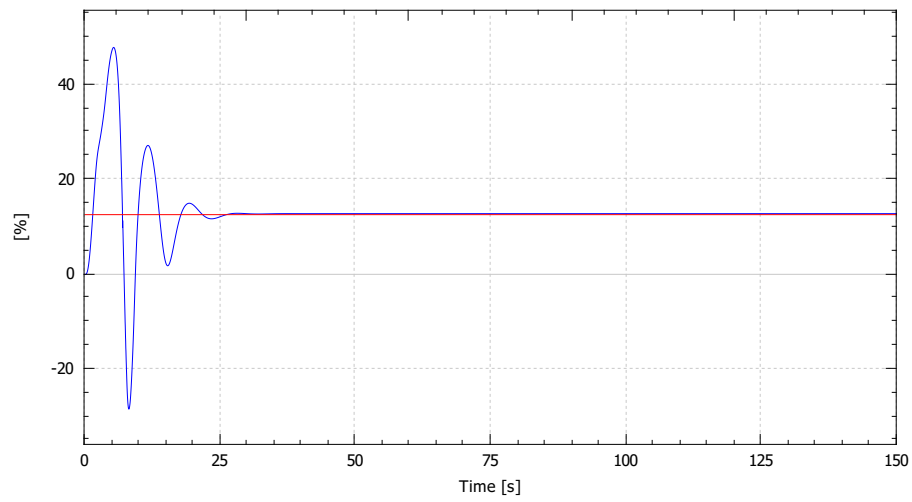
RPM



Power coef. (CP)



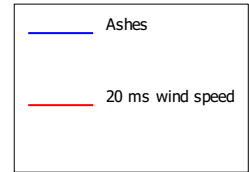
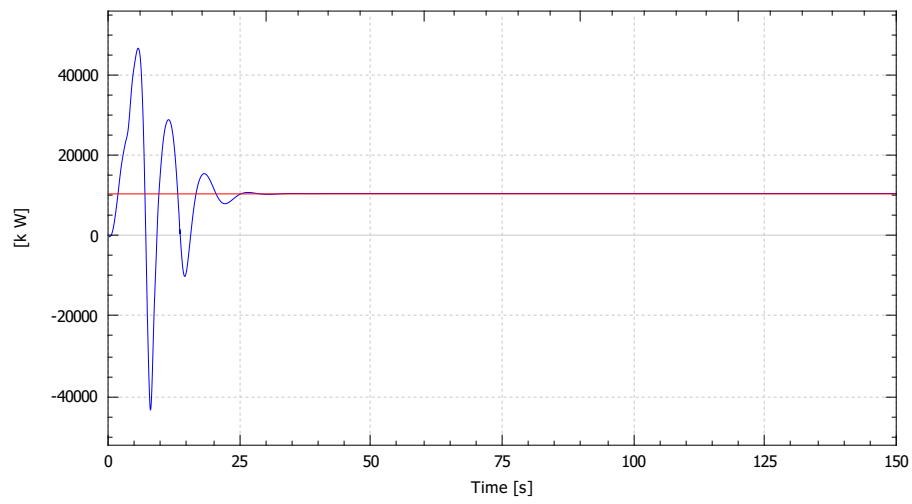
Thrust coef. (CT)



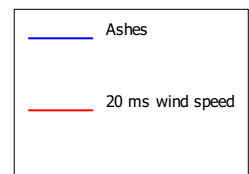
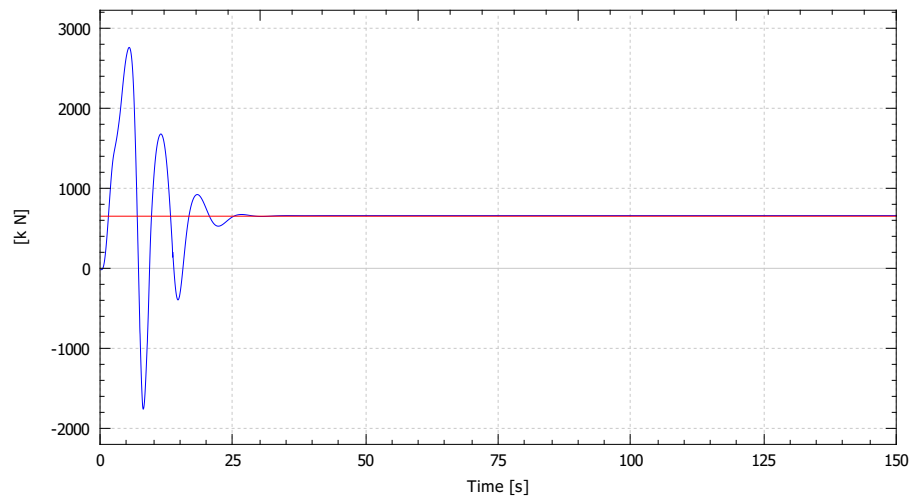
Load case: 20 ms wind speed

Rotor

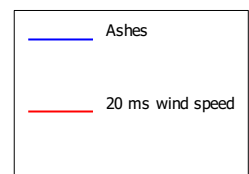
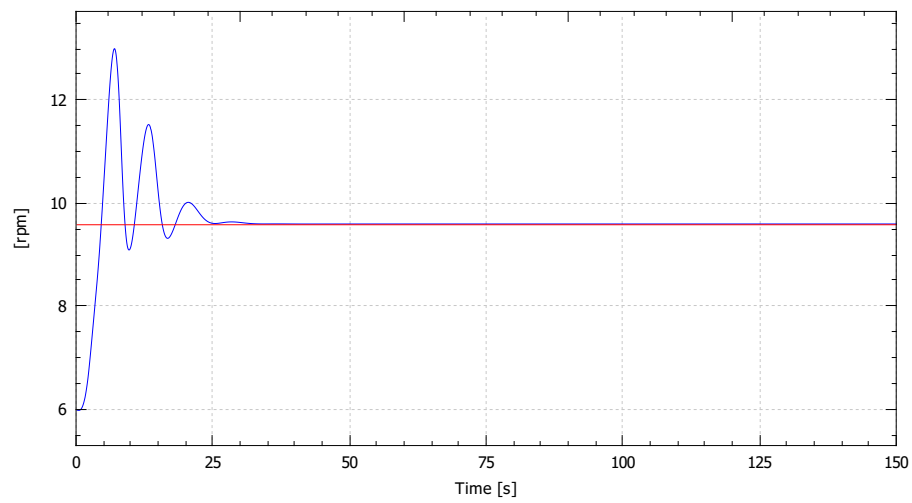
Power (aero)



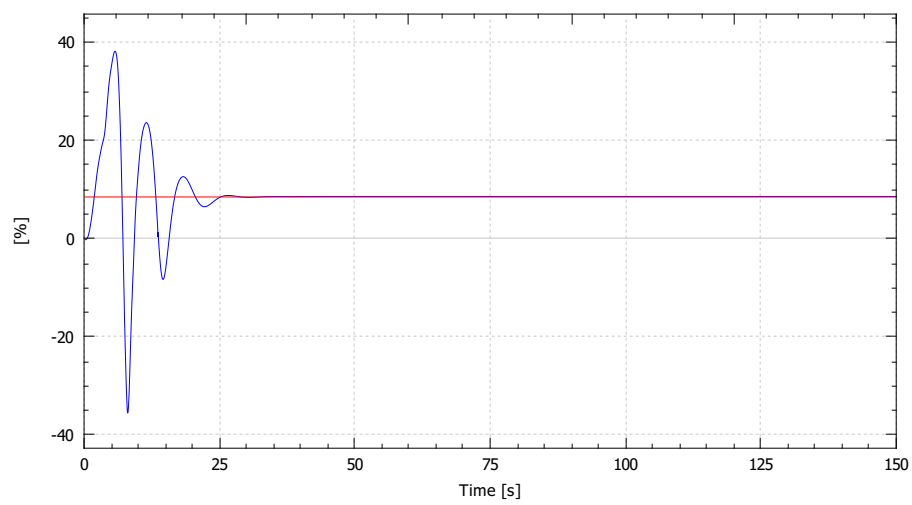
Thrust (aero)



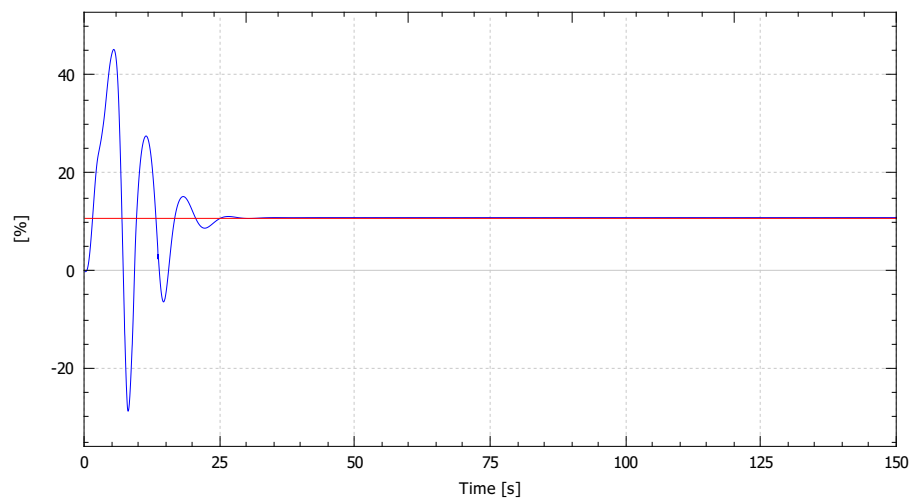
RPM



Power coef. (CP)



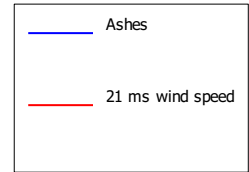
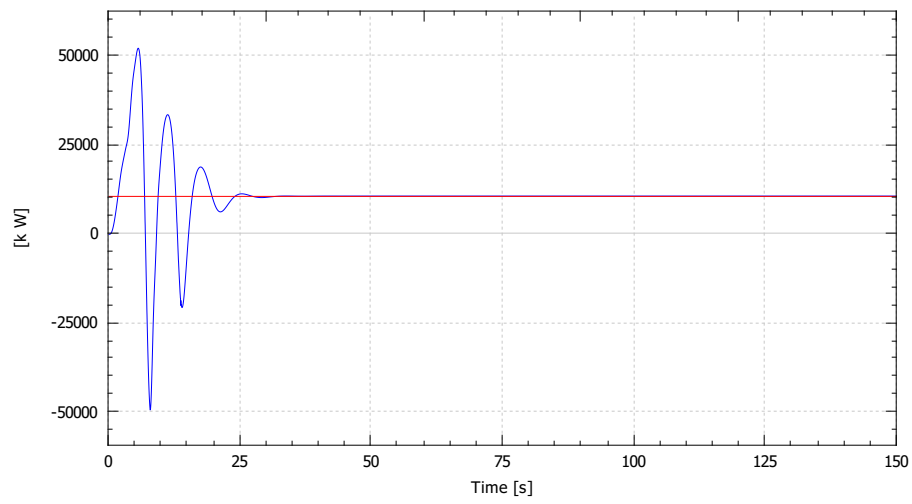
Thrust coef. (CT)



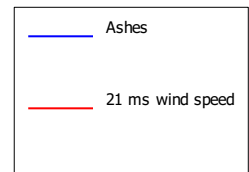
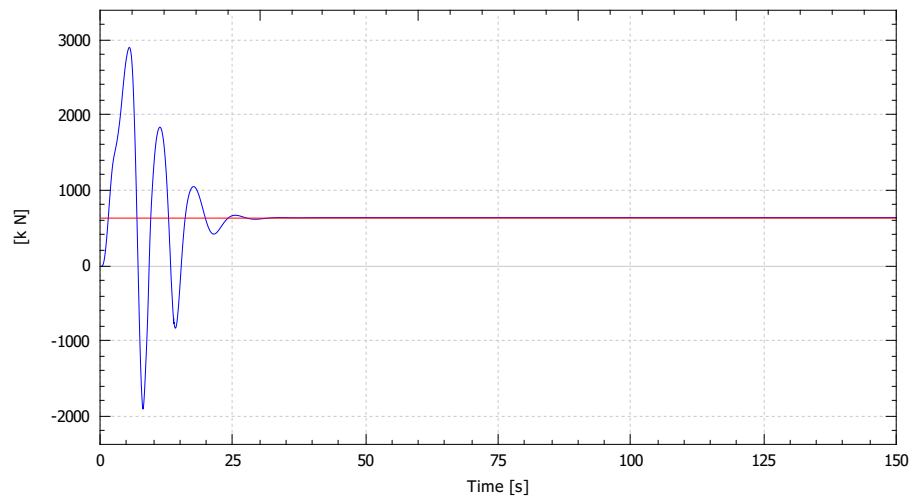
Load case: 21 ms wind speed

Rotor

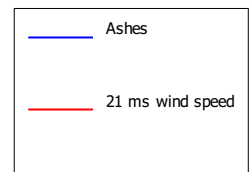
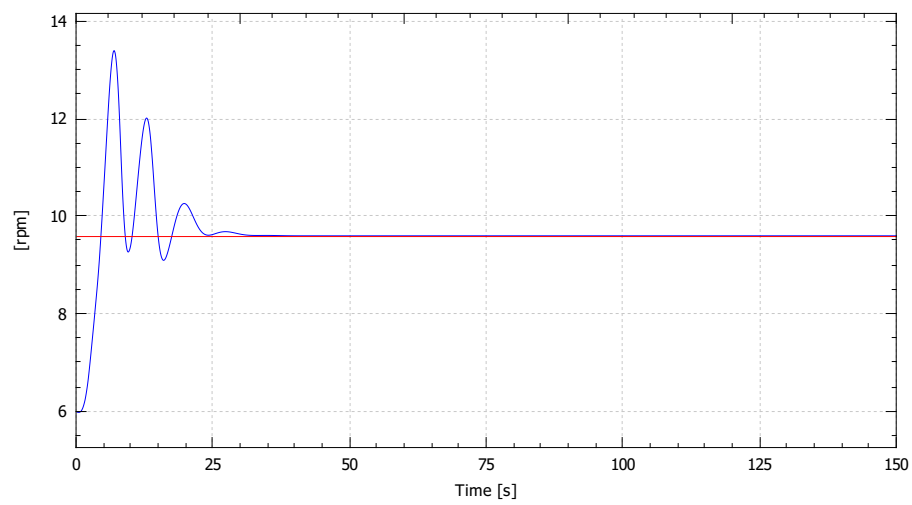
Power (aero)



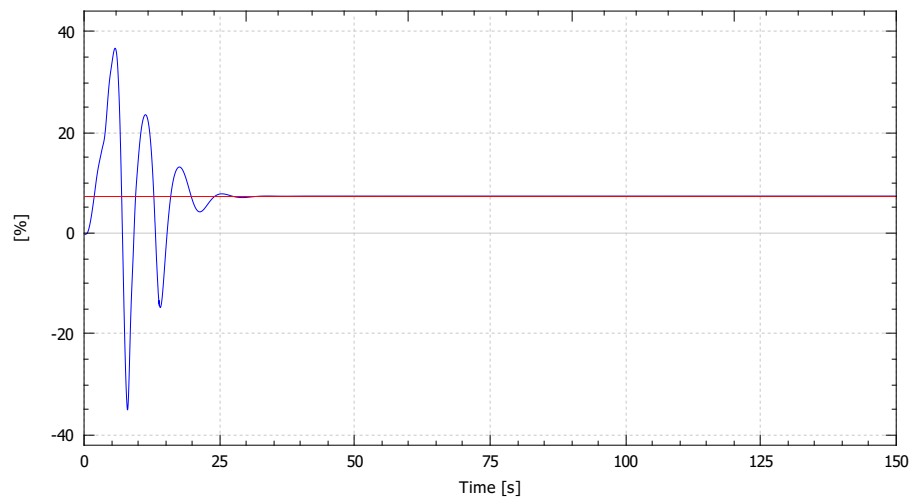
Thrust (aero)



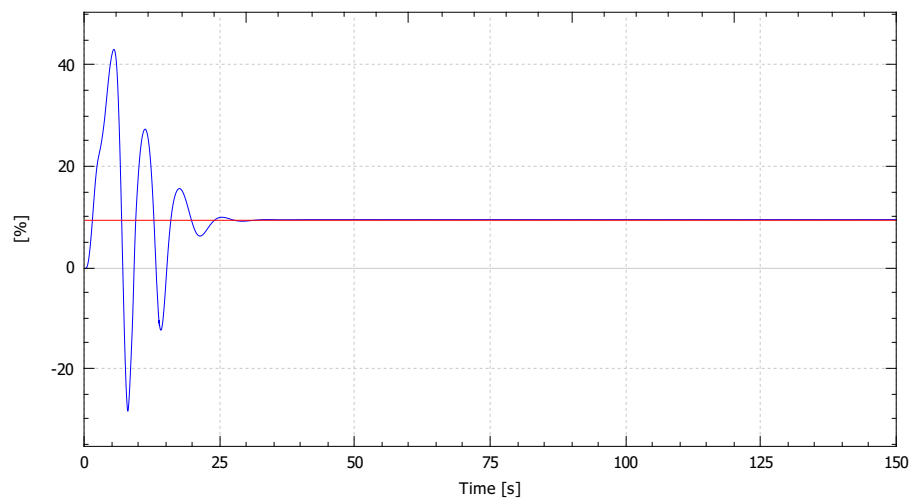
RPM



Power coef. (CP)



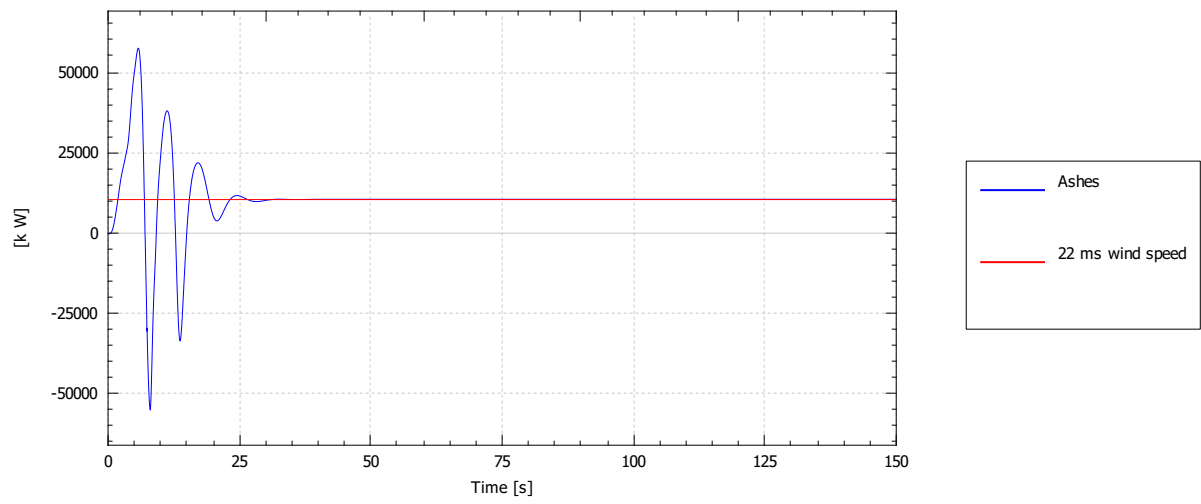
Thrust coef. (CT)



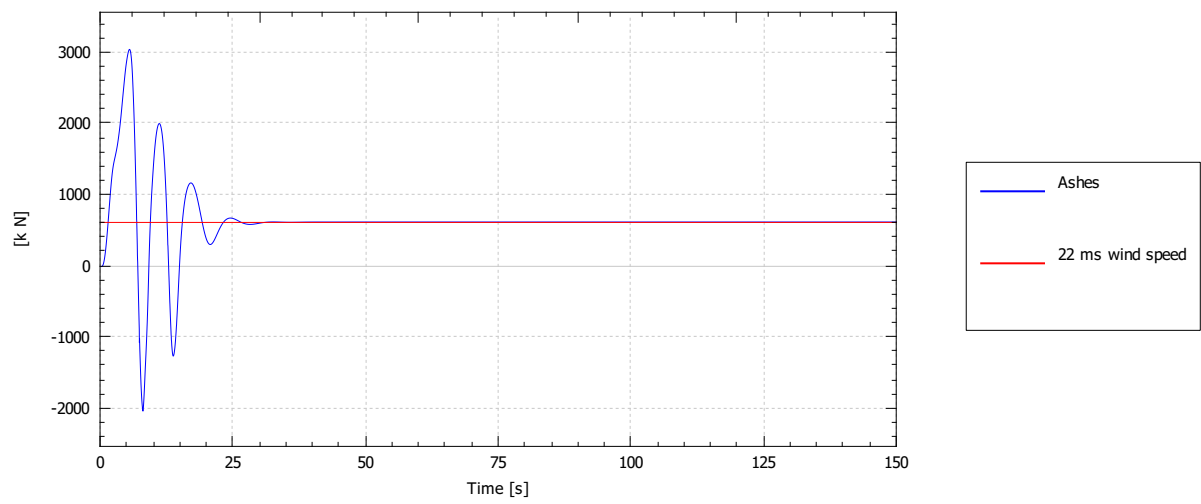
Load case: 22 ms wind speed

Rotor

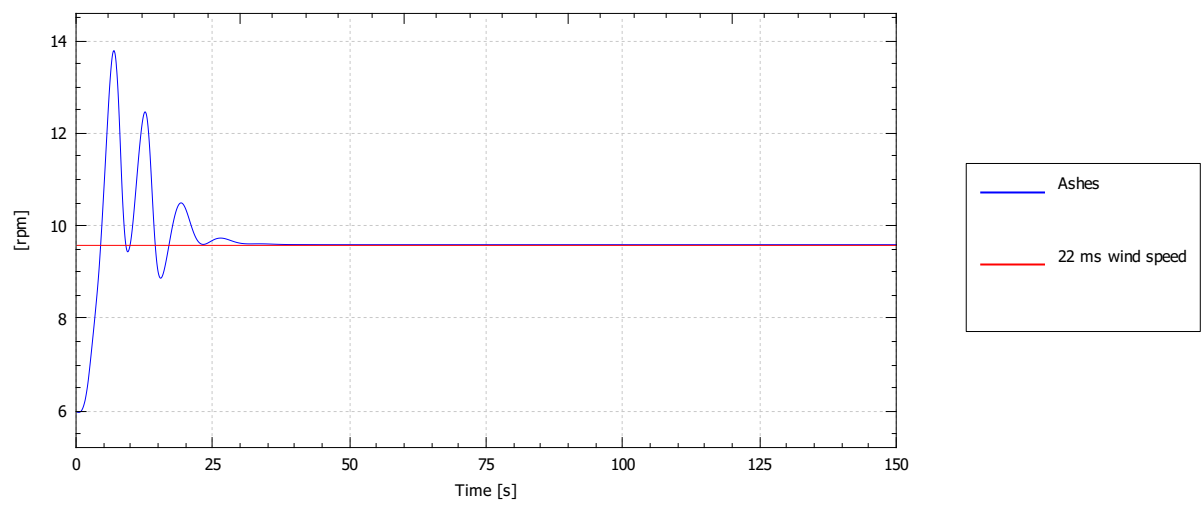
Power (aero)



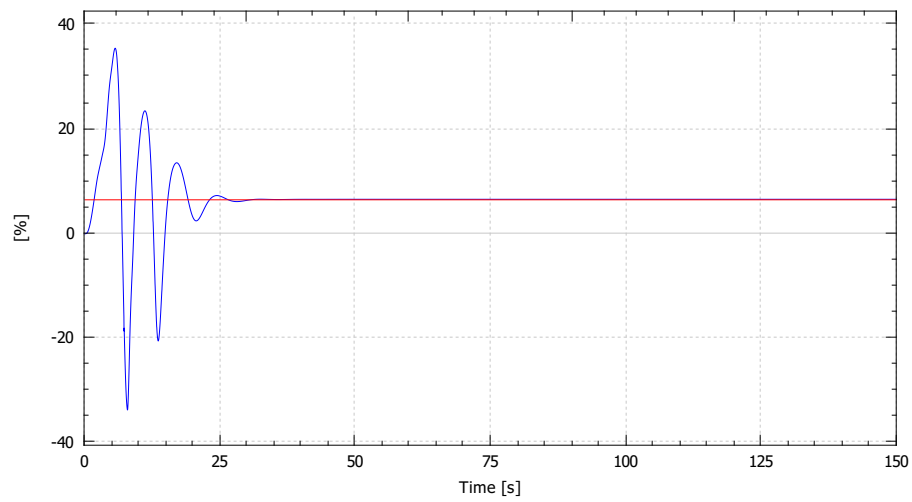
Thrust (aero)



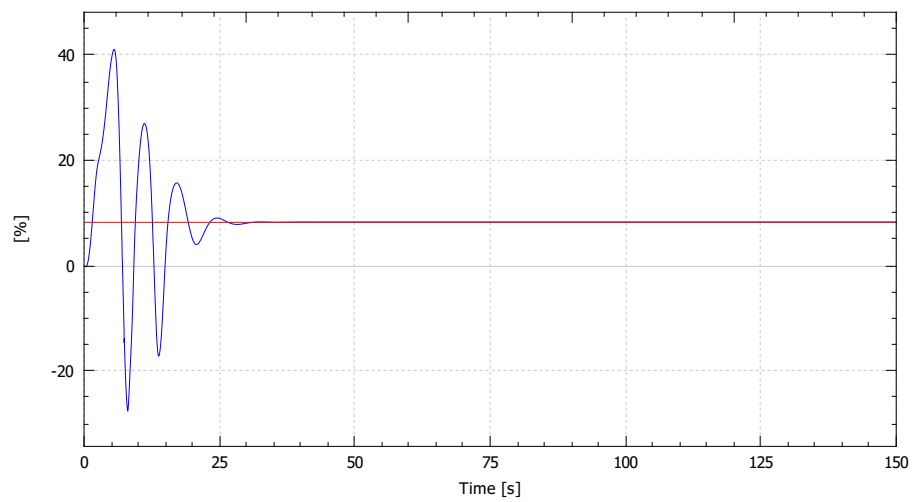
RPM



Power coef. (CP)



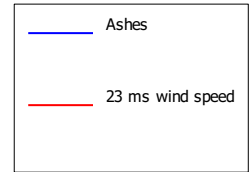
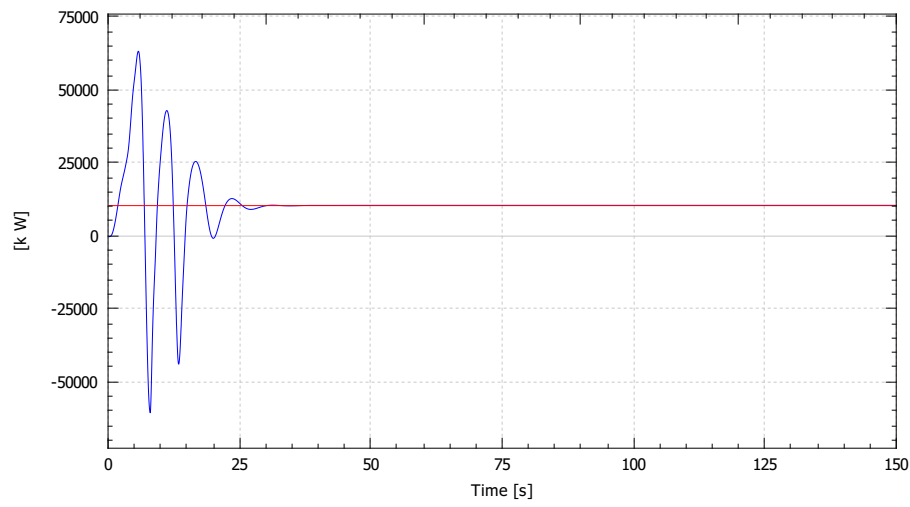
Thrust coef. (CT)



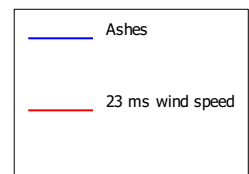
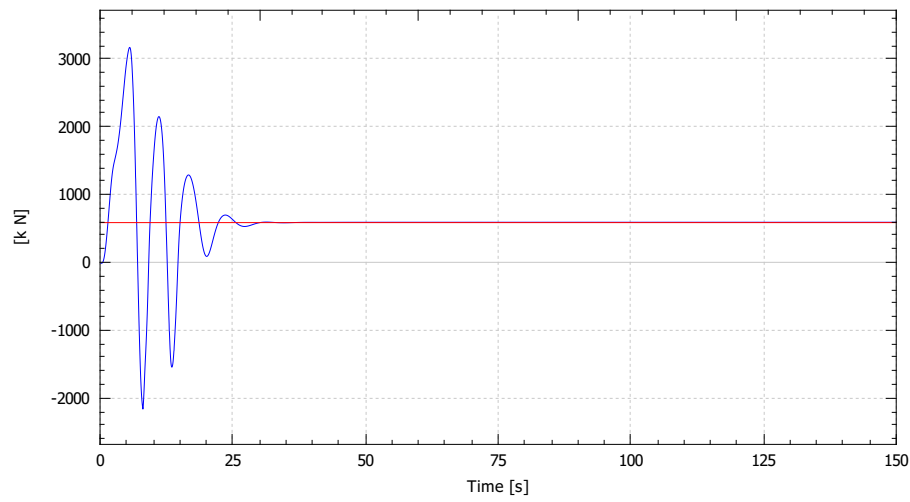
Load case: 23 ms wind speed

Rotor

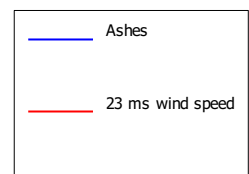
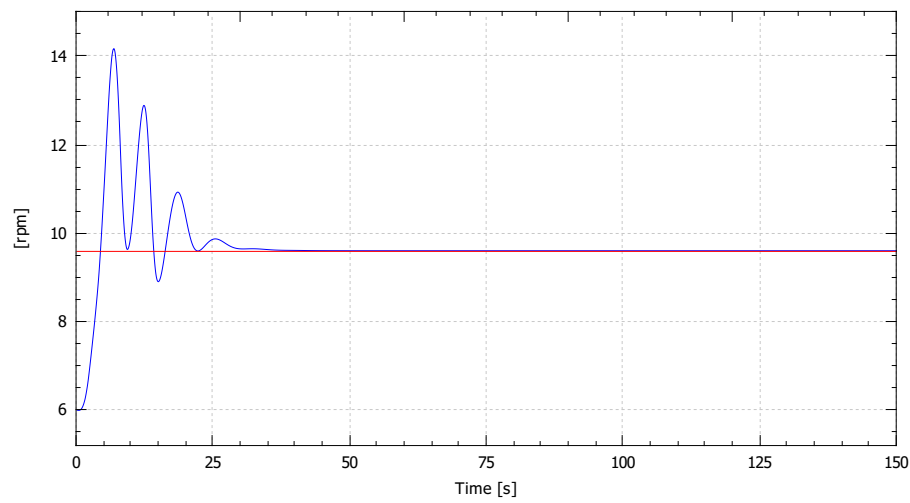
Power (aero)



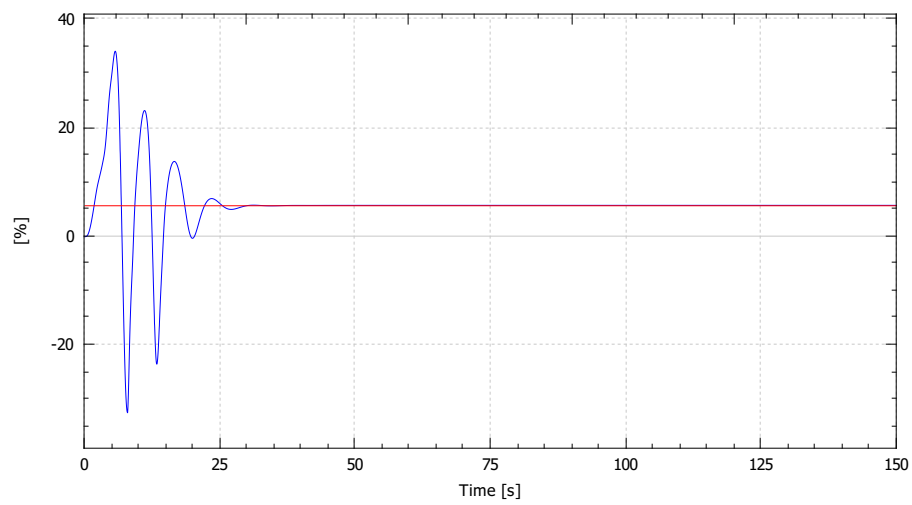
Thrust (aero)



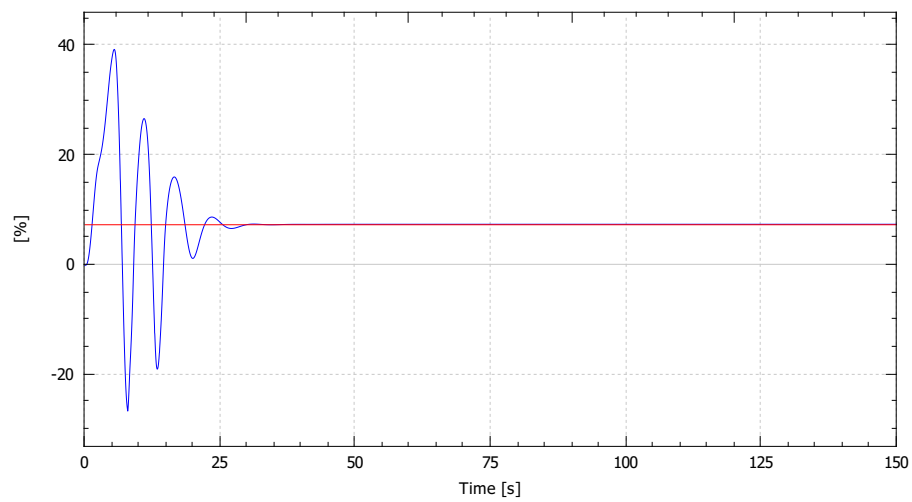
RPM



Power coef. (CP)



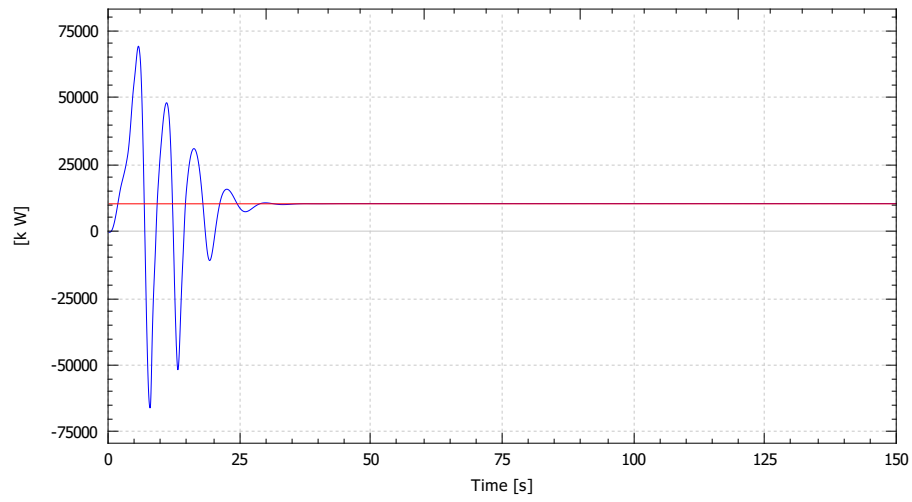
Thrust coef. (CT)



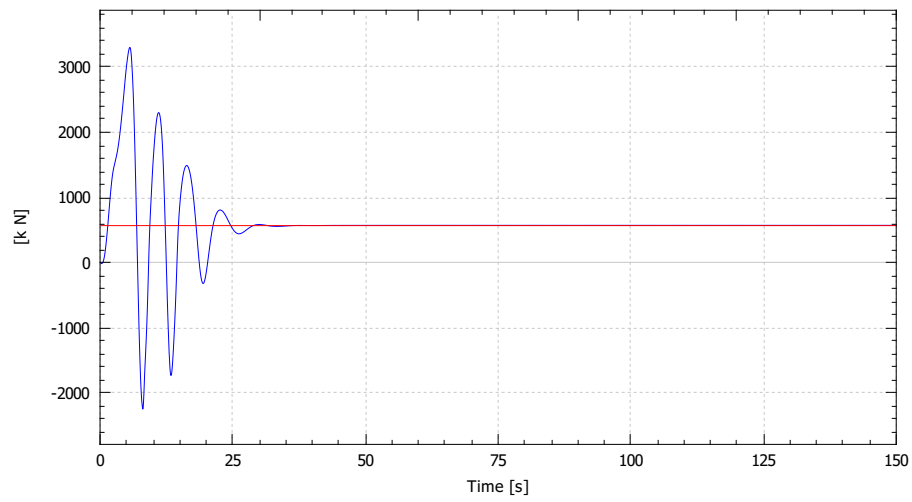
Load case: 24 ms wind speed

Rotor

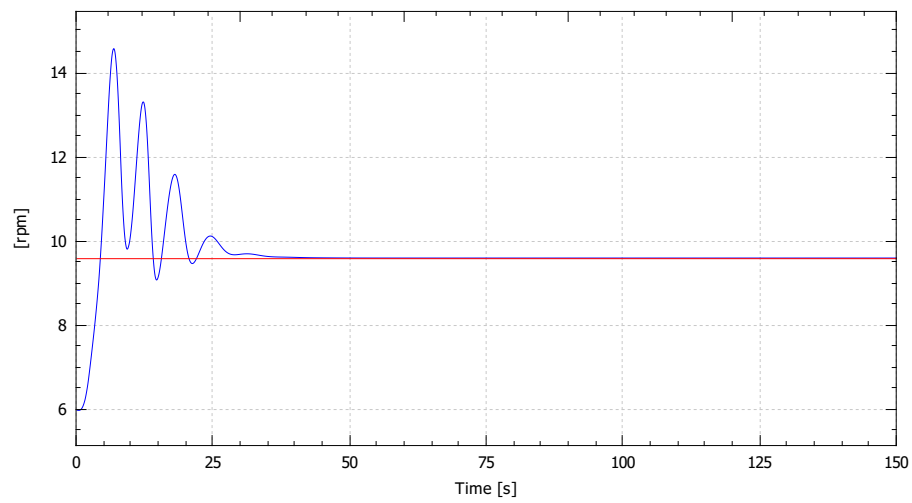
Power (aero)



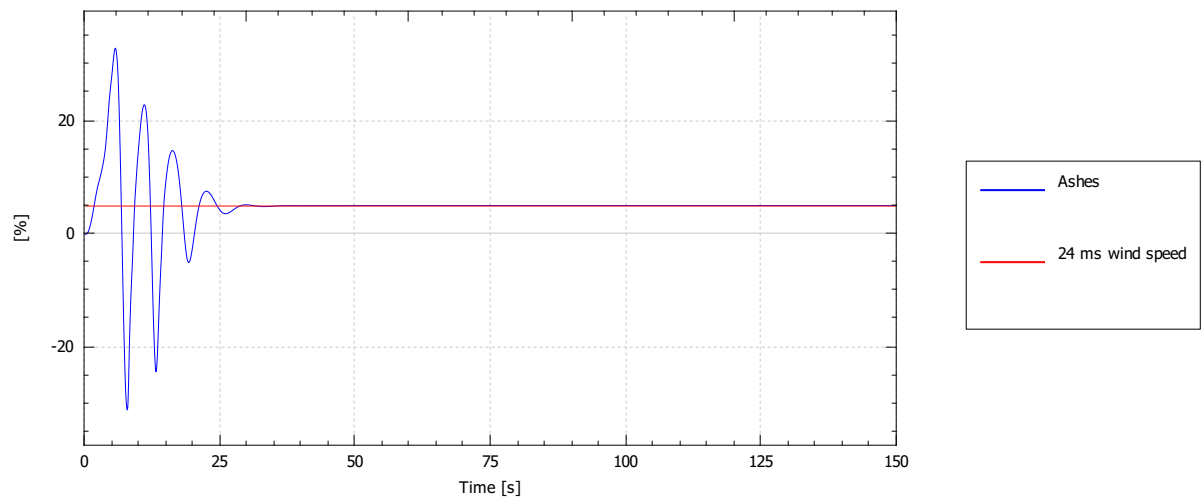
Thrust (aero)



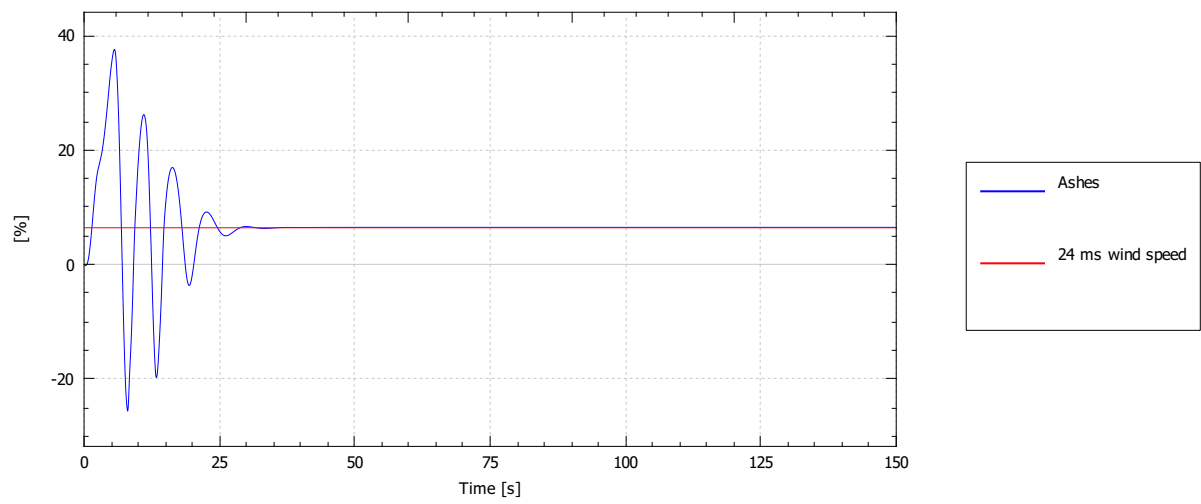
RPM



Power coef. (CP)



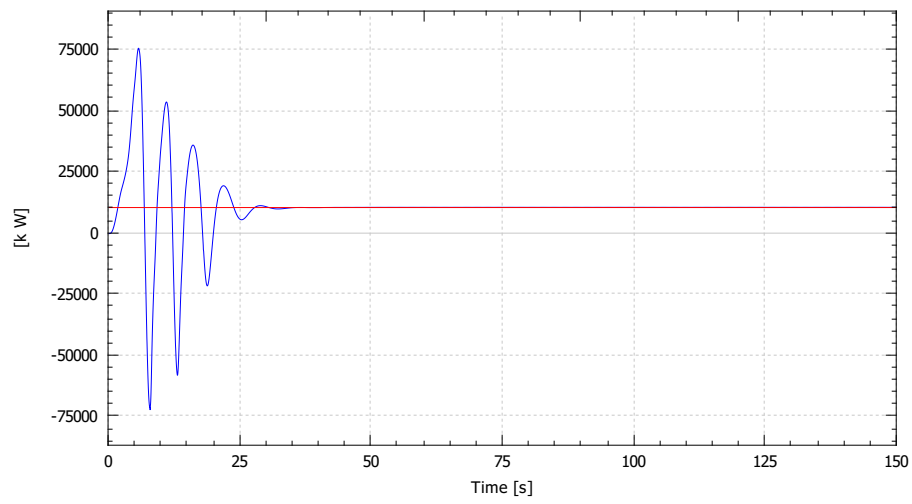
Thrust coef. (CT)



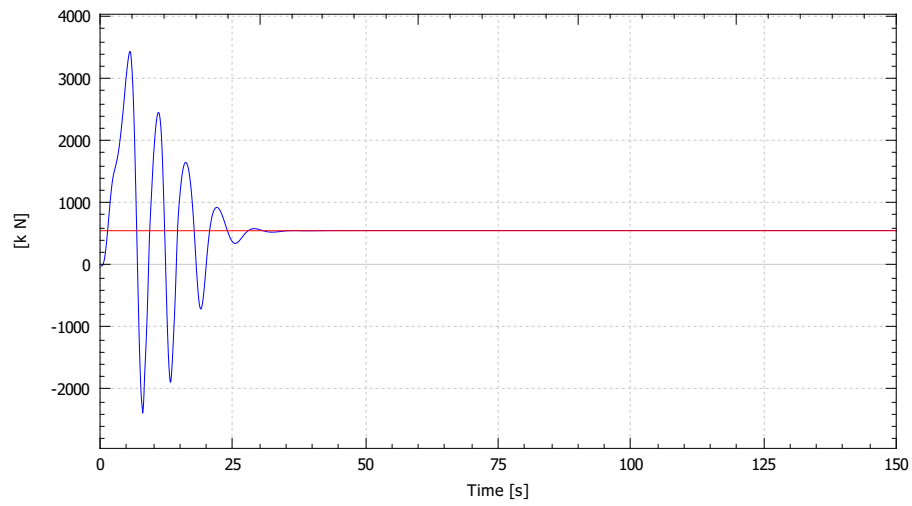
Load case: 25 ms wind speed

Rotor

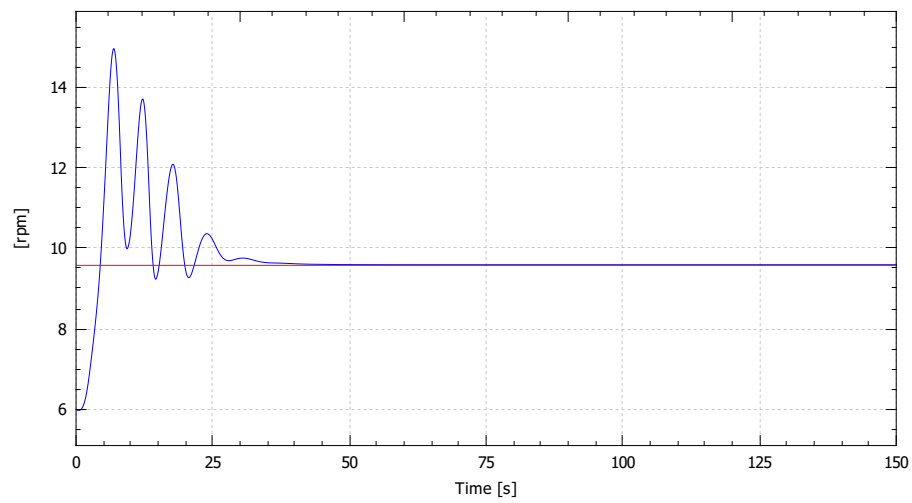
Power (aero)



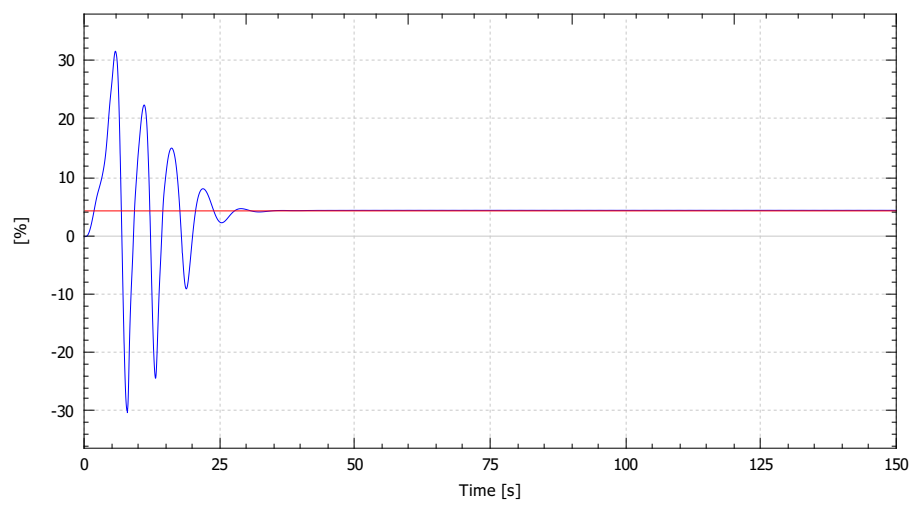
Thrust (aero)



RPM



Power coef. (CP)



Thrust coef. (CT)

