DC motor

!! sechnat elektrické schéma

Rovnice:

Pohybová rovnice:

Pe = Pm

Pe = U \* i

Pm = M \* omega

U = omega \* cfi

~~Omega~~ \* cfi \* i = M \* ~~omega~~

Simulink model

Parametry:

R = 20;

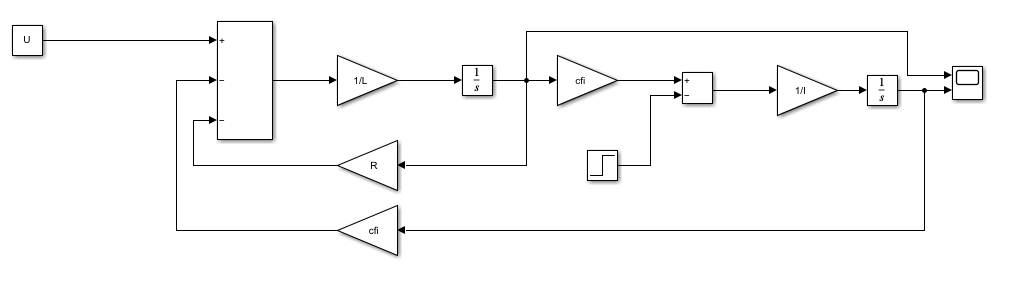
L = 5e-3;

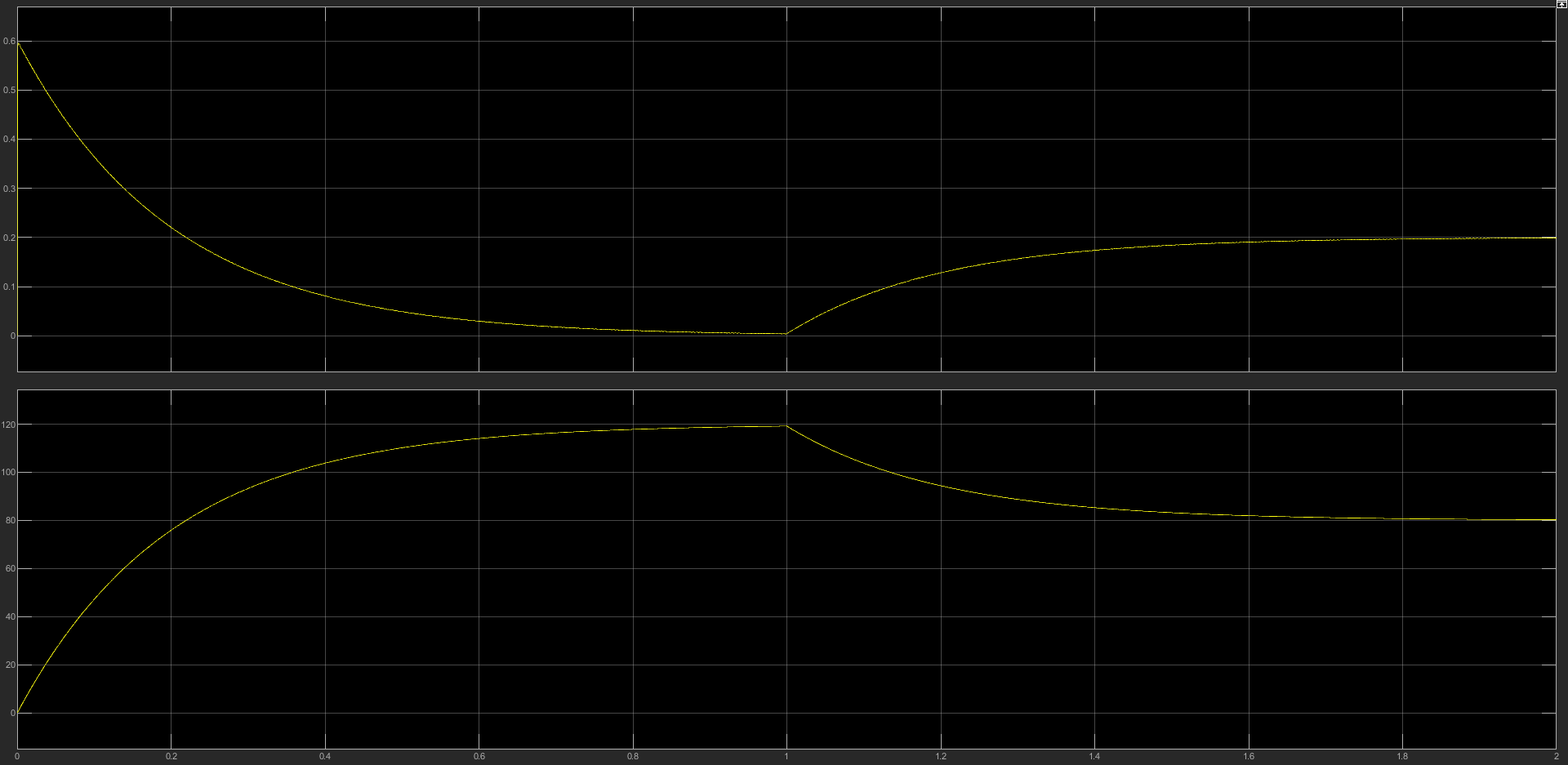
cfi = 0.1;

I = 1e-4;

U = 12;

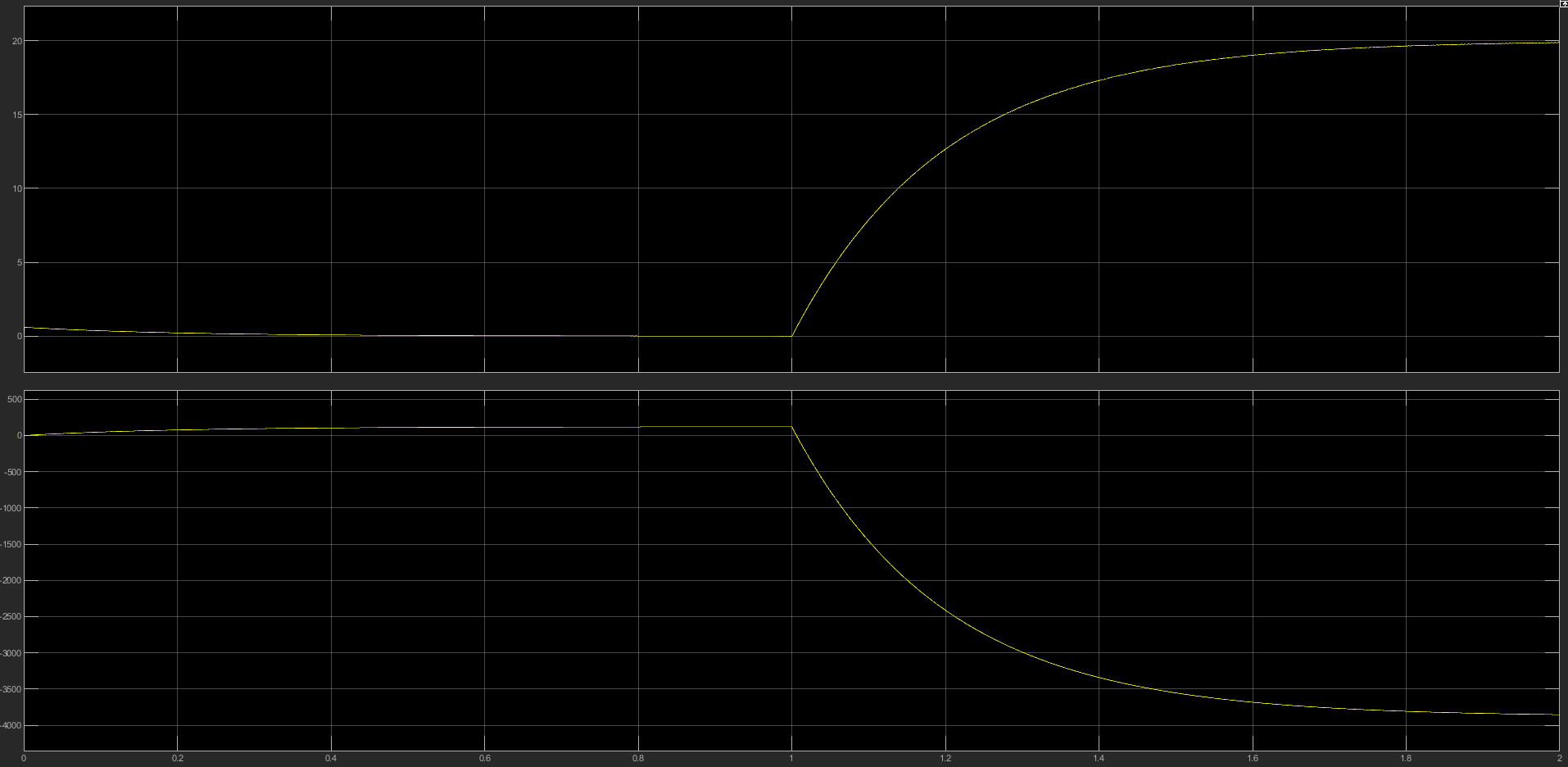
Mz = 0.02;





Hra s parametry

M \* 100 :



Otáčky začnou být záporné (motor se roztočí naopak)