```matlab
clear
close all
clc

F=1;   %constant just for comparison
v_m = linspace(1,20);   %[m/min]
v_ft = v_m*(3.280839895);   %ft/min
P = F*v_ft/33000;   %hp

figure
plot(v_m,P);
xlabel('cutting speed [m/min]')
ylabel('Power [hp]')
```
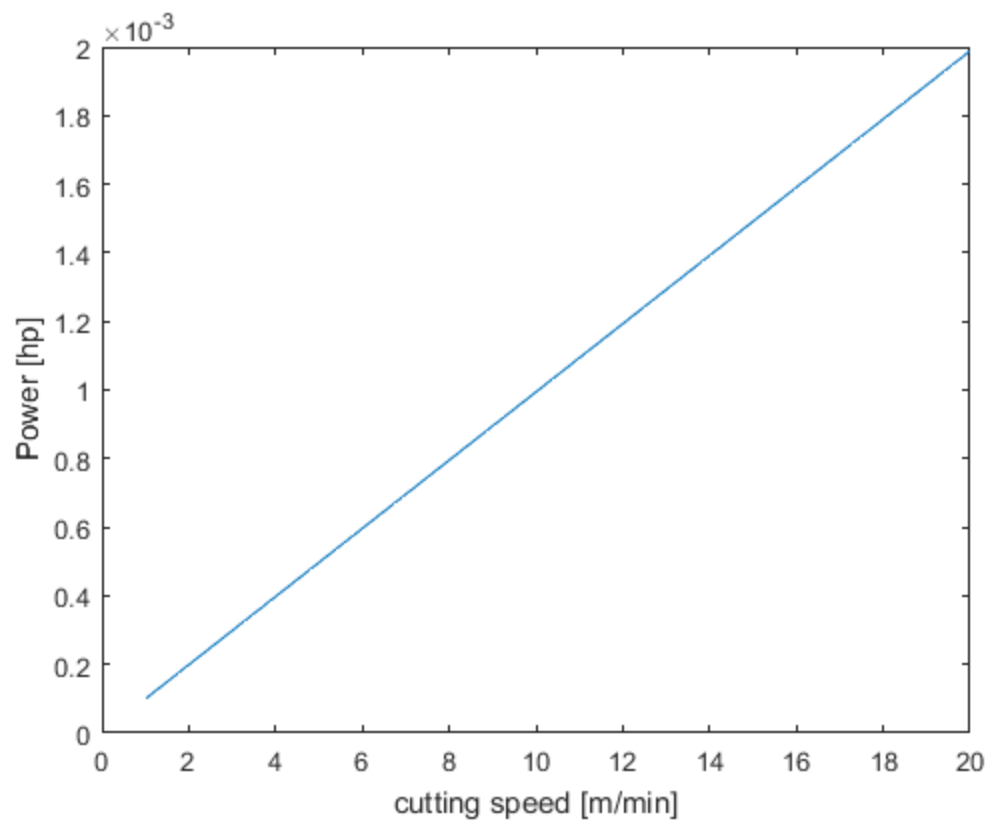

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