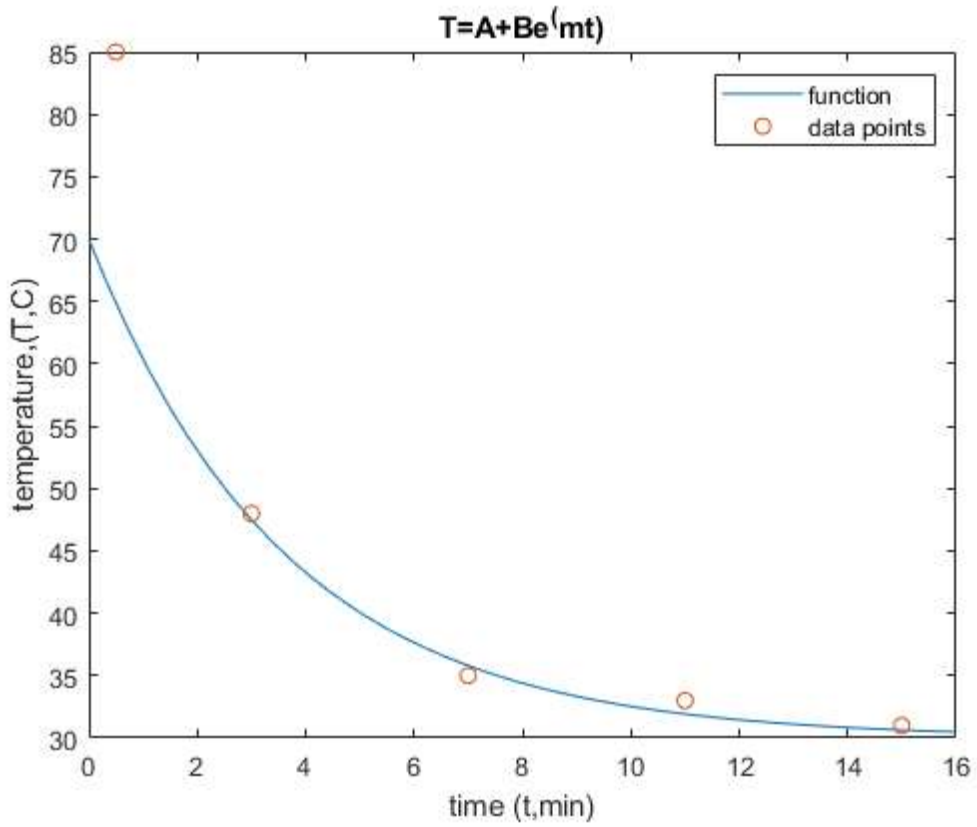
```
clc
t=[0.5 3 7 11 15];
T=[85 48 35 33 31];
A=30;
B=40;
m=-.276;
f=@(t)A+B*exp(m*t);
fplot(f,[0,16])
hold on
plot(t,T,'o')
xlabel('time (t,min)')
ylabel('temperature,(T,C)')
legend('function','data points')
title('T=A+Be^(mt)')
```



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