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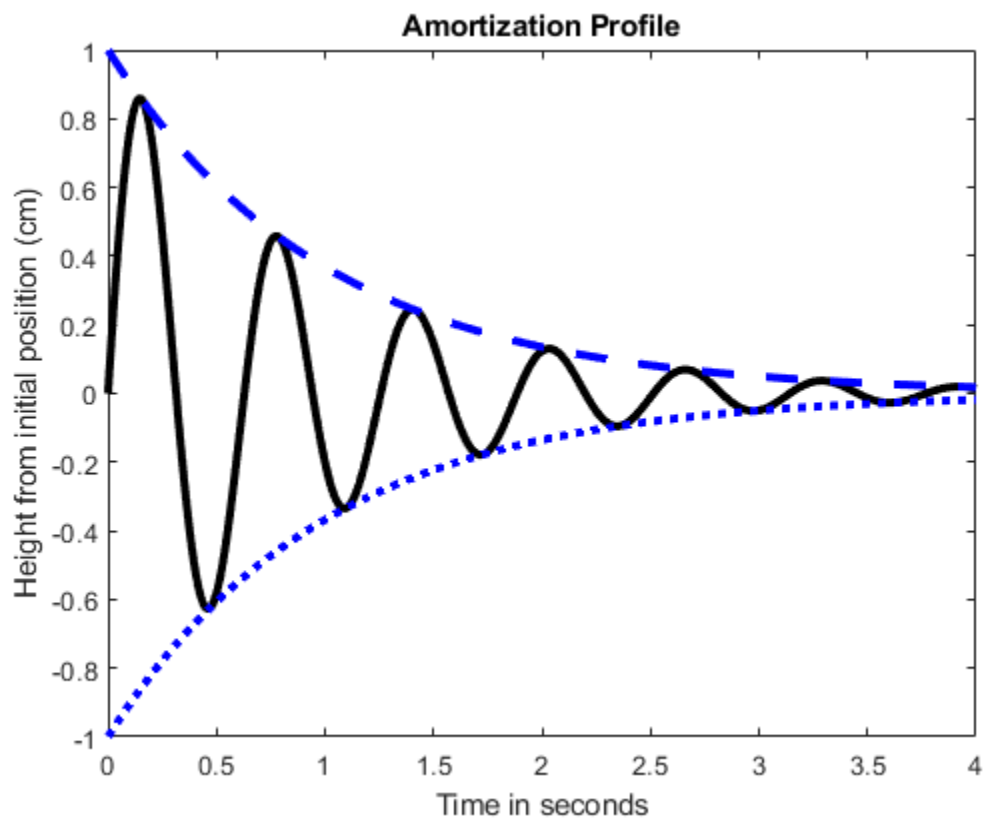
Raw plot:

```
% Make up some data:
x = linspace(0,4,1000); % create vector `x`
y = exp(-x) .* sin(10*x); % calculate the associated vector
y = f(x)
z = exp(-x) .* 1;
w = -1*exp(-x) .* 1;

figure;

plot(x,y, 'color','black', "LineWidth", 3);
hold on
plot(x,z, 'color','blue', "LineWidth", 3, 'LineStyle', '- -');
plot(x,w, 'color','blue', "LineWidth", 3, 'LineStyle', ':');
hold off;

title("Amortization Profile");
xlabel('Time in seconds');
ylabel('Height from initial position (cm)')
```



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