```matlab
x = 0:0.01:2; % x-axis
tas = 0.03:0.01:0.09; % range of tau to be tested
figure; hold on

for i = 1:length(tas)
    ta = tas(i);
    y = x.*exp(-x./ta); % equation 1 in MCD
    y = y./sum(y);
    plot(x,y)
end
```