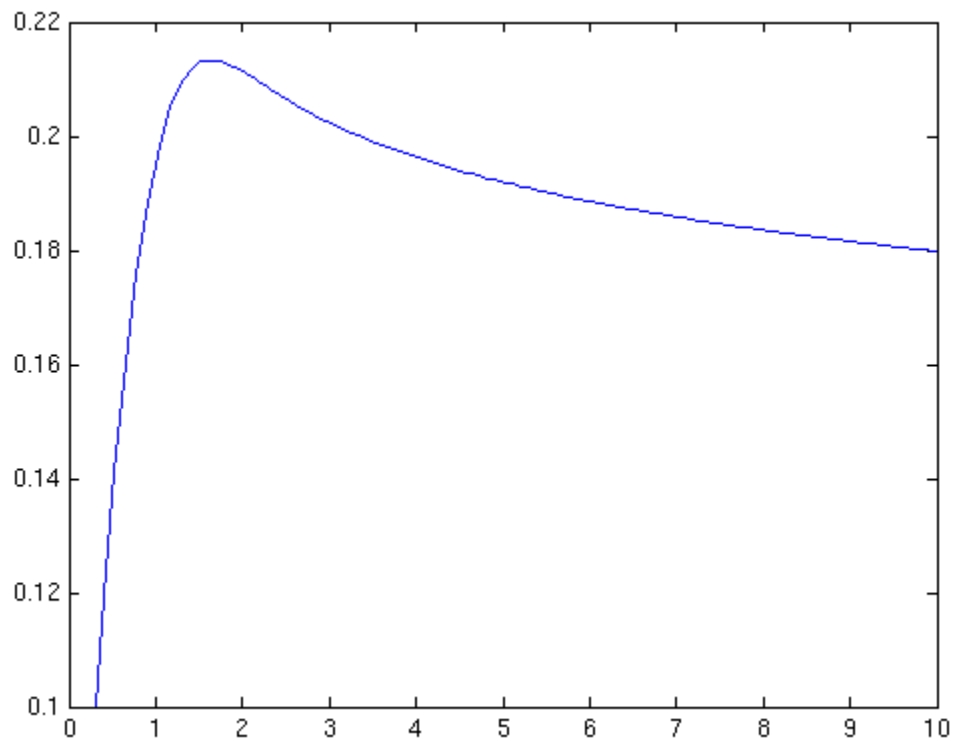

Exempel 7.10

Dag Lindbo, 2011-02-23

```
clear, clf, format long  
A = 0.2;  
tol = odeset('RelTol',0.001);  
[T Y] = ode45(@F_710,[0.3 10],[0.1 A],tol);  
plot(T,Y(:,1)), hold on  
disp('Med rtol = 1e-3:')  
disp(['y(10) = ' num2str(Y(end,1),12)])  
tol = odeset('RelTol',1e-6);  
[T Y] = ode45(@F_710,[0.3 10],[0.1 A],tol);  
disp('Med rtol = 1e-6:')  
disp(['y(10) = ' num2str(Y(end,1),12)])
```

```
Med rtol = 1e-3:  
y(10) = 0.179827543196  
Med rtol = 1e-6:  
y(10) = 0.179825401962
```



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