

---

```
close all
f = @(t,y) (y.^2)*cos((t+(y./2))*pi)
figure(1)
hold on
xlim([1,17])
xlabel("t");
ylabel("y");
title("Euler's graph!")
em(.1,1,1,17,f)

em(.05,1,1,17,f)

em(.01,1,1,17,f)

em(.001,1,1,17,f)

f =

function_handle with value:

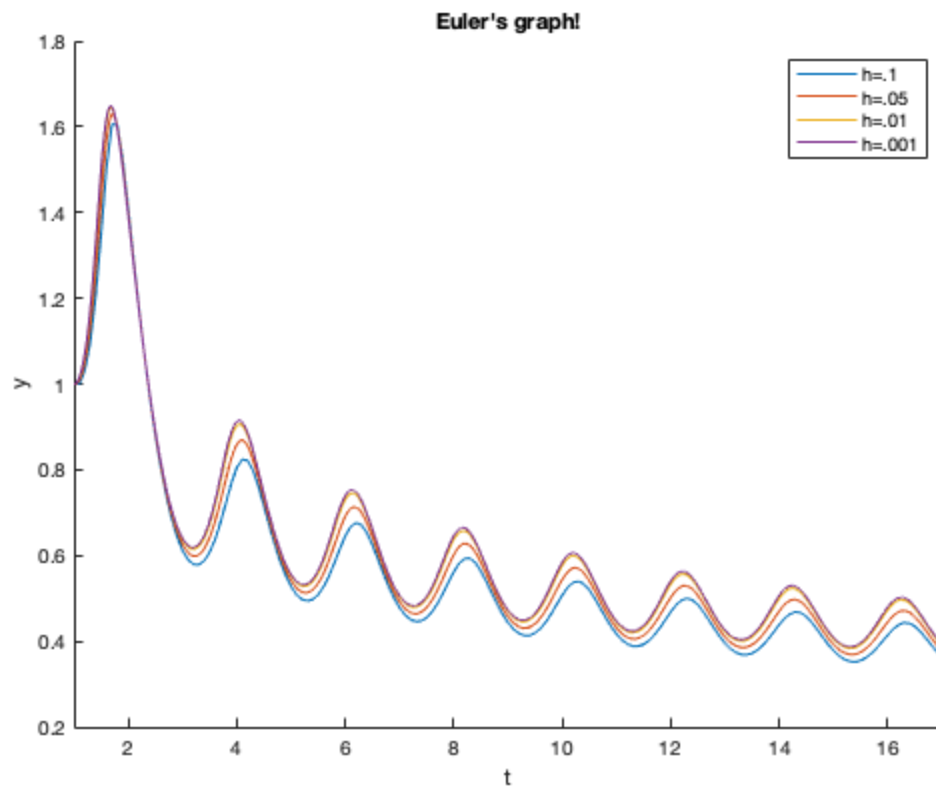
@(t,y)(y.^2)*cos((t+(y./2))*pi)

0.3629

Warning: Ignoring extra legend entries.
0.3778

Warning: Ignoring extra legend entries.
0.3910

Warning: Ignoring extra legend entries.
0.3942
```



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