

TP

> `with(Student[NumericalAnalysis]) :`

> `Taylor` $\left(\frac{d}{dt} y(t) = \cos(t), y(0) = 0.5, t = 3\right)$

0.6235

> `Taylor` $\left(\frac{d}{dt} y(t) = y(t) + t^2, y(1) = 3.10, t = 4, \text{order} = 5, \text{output} = \text{Error}\right)$

0.03161

> `Taylor` $\left(\frac{d}{dt} y(t) = \cos(t), y(0) = 0.5, t = 3, \text{output} = \text{plot}\right)$

