

$\frac{\text{error}(t_f)}{\varepsilon t_f}$ εt_f

Error in the $y(t_f)$ generated by Euler/ $2 \times \frac{1}{2}$ -Euler
with error rate ε and $y_{n+1} = 2 * A_2 - A_1$ applied
to $y' = y - 2t$, $y(0) = 3$

 $\varepsilon = \frac{1}{16}$ $\varepsilon = \frac{1}{32}$ $\varepsilon = \frac{1}{64}$ 