

Z-Stage RK: 2-nd order of accuracy th+ # 1 th+ # (2) + dy | 1 th+ # 2  $+\frac{d^3t}{dt^3}$   $+\frac{d^3t}{dt^3}$   $+\frac{d^3t}{dt^3}$   $+\frac{d^3t}{dt^3}$ In = 4/1 dt/ (-st) + dt/ (-st) + dt/ (-st) + dt/ (-st) / (-st) )-(2): \(\frac{1}{n+1} - \frac{1}{n} = \frac{d\frac{1}{n}}{d\tau} \Big|\_{\tau \tau} \frac{1}{2} \delta \tau + \frac{d\frac{1}{n}}{d\tau} \Big|\_{\tau}  $\frac{Y_{N+1}-Y_{N}}{\Delta t} = \frac{\partial Y}{\partial t^{3}} + \frac{\partial$ se cond order a curacy

