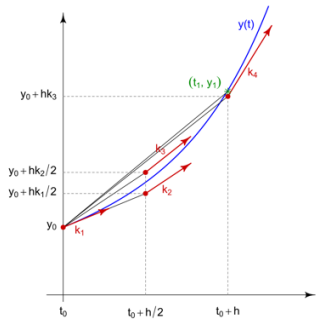
	Forward Euler	Backward Euler	Crank-Nicolson	Runge-Kutta 4 (explicit)
Rule / Formula (scalar)				$y^{n+1} = y^n + \frac{1}{6}\left(\Delta y_1 + 2\Delta y_2 + 2\Delta y_3 + \Delta y_4\right),$ $\Delta y_1 = \Delta t f(y^n, t^n),$ $\Delta y_2 = \Delta t f\left(y^n + \frac{\Delta y_1}{2}, t^n + \frac{\Delta t}{2}\right),$ $\Delta y_3 = \Delta t f\left(y^n + \frac{\Delta y_2}{2}, t^n + \frac{\Delta t}{2}\right),$ $\Delta y_4 = \Delta t f\left(y^n + \Delta y_3, t^n + \Delta t\right).$
Sketch				 Figure: https://en.wikipedia.org/wiki/Runge%E2%80%93Kutta_methods
Error				
	Implicit / Explicit	Implicit / Explicit	Implicit / Explicit	Implicit / Explicit
Stability	Conditional / Unconditional	Conditional / Unconditional	Conditional / Unconditional	Conditional / Unconditional
Oscillates?	Yes / No	Yes / No	Yes / No	Yes / No

Explicit:

Conditionally Stable:

Implicit:

Unconditionally Stable: