appVersion(4) = "0.99.6884.37264"

Example 1:

First order kinetic process, A->B:
Process rate proportional to concentration of A: $\frac{d}{dt} A = k \cdot A$

ODE Input:

Initial concentration: $A_0 := 0.2$

Output time step: $dt := 20$

Rate constant: $k := -0.005$

$D(t, A) := k \cdot A \qquad t_{min} := 0 \qquad t_{max} := 400$

$N := \frac{t_{max} - t_{min}}{dt} = 20$

$A := \text{dn\_AdamsMoulton}(A_0, t_{min}, t_{max}, N - 1, D)$