$m := 0.5$ $c := 530$ $k := 25$ $s := 0.02$ $\sigma := 5.7 \cdot 10^{-8}$

$tA := 300$ $tR := 6000$ $n := 700$ $x_0 := tA$

$$l(t) := s \cdot \left(k \cdot (t - tA) + \sigma \cdot \left(t^4 - tA^4\right)\right)$$

$$h(t) := \begin{cases} \text{if } t \geq tR \\ \quad 0 \\ \text{else} \\ \quad 1 \end{cases}$$

$p0 := 700$
$p1 := 500$
$c1 := 800$
$m1 := 1$

$$D0(t, y) := \left[\frac{\left(p0 \cdot h\left(y_0\right) - l\left(y_0\right)\right)}{c \cdot m}\right]$$

$$D1(t, y) := \left[\frac{\left(p1 \cdot h\left(y_0\right) - l\left(y_0\right)\right)}{c \cdot m}\right]$$

$$D2(t, y) := \left[\frac{\left(p0 \cdot h\left(y_0\right) - l\left(y_0\right)\right)}{c1 \cdot m}\right]$$

$$D3(t, y) := \left[\frac{\left(p0 \cdot h\left(y_0\right) - l\left(y_0\right)\right)}{c \cdot m1}\right]$$

$Z_0 := \text{rkfixed}(x_0, 0, n, n, D0)$

$Z_1 := \text{rkfixed}(x_0, 0, n, n, D1)$

$Z_2 := \text{rkfixed}(x_0, 0, n, n, D2)$

$Z_3 := \text{rkfixed}(x_0, 0, n, n, D3)$

$$Z = \begin{bmatrix} [701 \times 2] \\ [701 \times 2] \\ [701 \times 2] \\ [701 \times 2] \end{bmatrix}$$