

$$\begin{array}{l} m:=1 \\ l:=1 \end{array}$$

$$v_0:=2\cdot\sqrt{g\cdot l}$$

$$\begin{array}{l} g:=9.80665 \\ a:=l \end{array}$$

$$\begin{array}{l} v_0:=0 \end{array}$$

$$a:=0$$

$$w_0:=$$

$$\varphi_0:=\frac{\pi}{180}\cdot 90$$

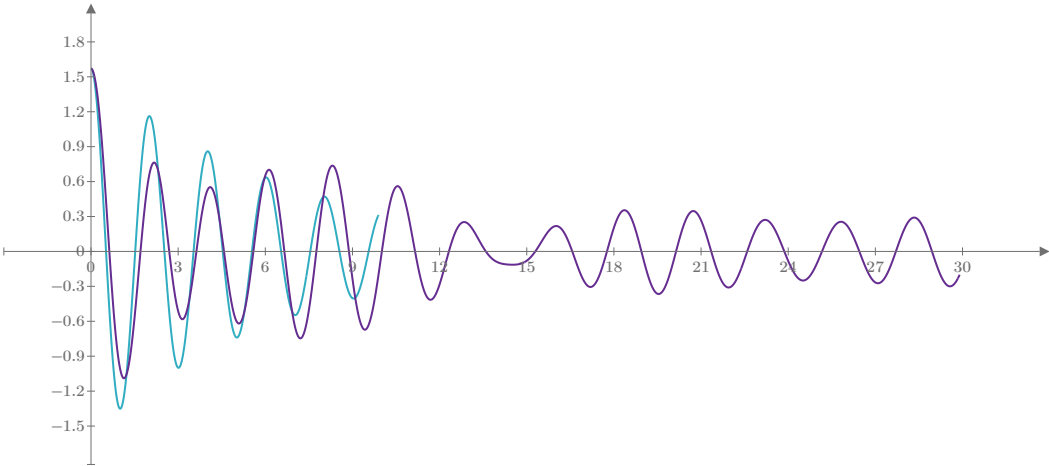
$$y:=\begin{bmatrix} v_0 \\ \varphi_0 \end{bmatrix}$$

$$D1\left(t,y\right):=\begin{bmatrix} -w_0^2\cdot\sin\left(y_1\right)-k\cdot y_0+a\cdot\sin\left(w_1\cdot t\right) \\ y_0 \end{bmatrix}$$

$$Z1:=\text{rkfixed}(\,$$

$$D2\left(t,y\right):=\begin{bmatrix} -w_0^2\cdot y_1-k\cdot y_0 \\ y_0 \end{bmatrix}$$

$$Z2:=\text{rkfixed}(\,$$

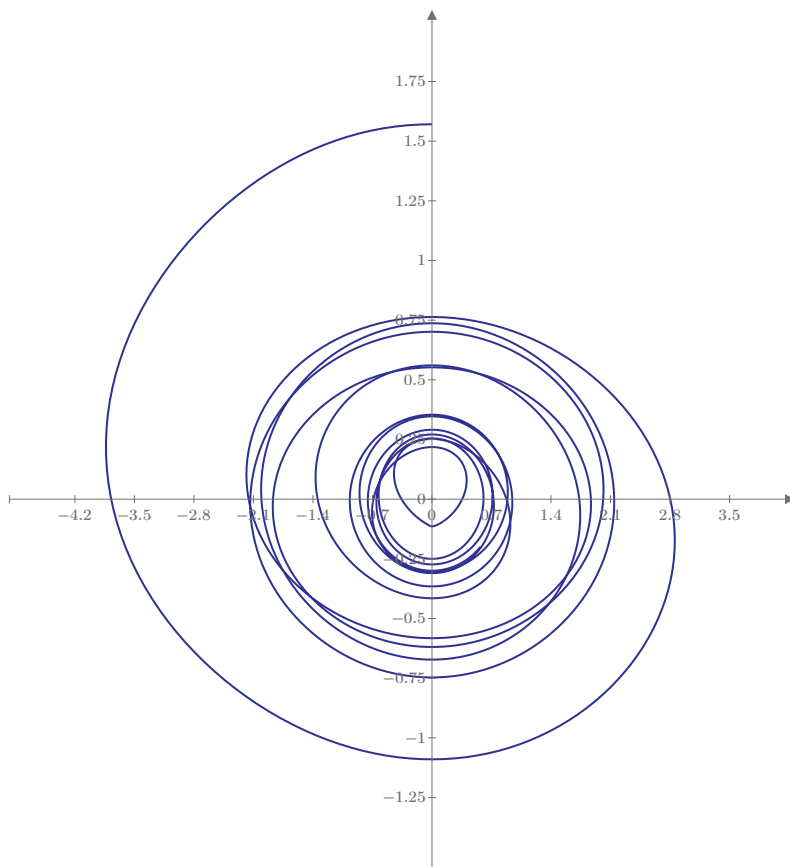


$$\underline{Z2^{(2)}}$$

$$\underline{Z1^{(2)}}$$

$$\underline{Z2^{(0)}}$$

$$\underline{Z1^{(0)}}$$



$\langle Z1^{(1)} \rangle$

$\langle Z1^{(2)} \rangle$