$$x := 0$$
 $y := 0.5$
 $u := 0.8$
 $v := 0.5$

$$z := \begin{bmatrix} x \\ y \\ u \\ v \end{bmatrix}$$

$$D(t,z) \coloneqq egin{bmatrix} z_2 \ z_3 \ 2 \! \cdot \! \Omega \! \cdot \! z_3 \ - 2 \! \cdot \! \Omega \! \cdot \! z_2 \end{bmatrix}$$

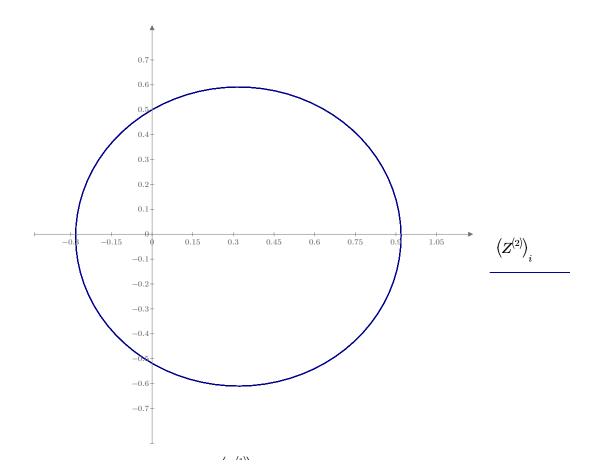
$$Z \coloneqq \text{rkfixed}(z, 0, 50, 1000, D) =$$

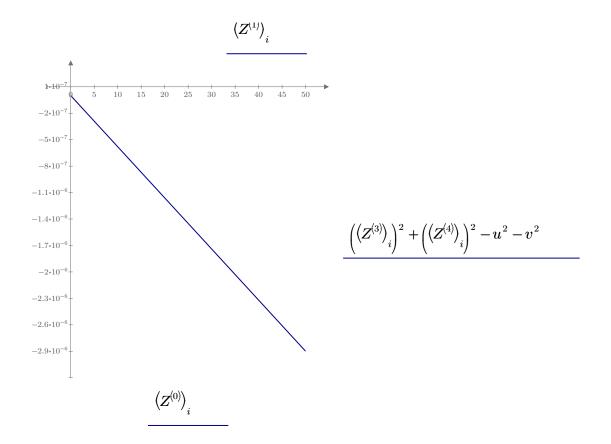
$$i \coloneqq 0 \dots \text{rows}(Z) - 1$$

$$\Omega \coloneqq \frac{\pi}{4}$$

$$d(x,y) \coloneqq \sqrt{x^2 + y^2}$$

$$\begin{bmatrix} 0 & 0 & 0.5 & 0.8 & 0.5 \\ 0.05 & 0.041 & 0.523 & 0.837 & 0.436 \\ 0.1 & 0.084 & 0.544 & 0.868 & 0.369 \\ 0.15 & 0.128 & 0.56 & 0.895 & 0.299 \\ 0.2 & 0.173 & 0.573 & 0.915 & 0.228 \\ 0.25 & 0.219 & 0.583 & 0.93 & 0.156 \\ 0.3 & 0.266 & 0.589 & 0.94 & 0.082 \\ 0.35 & 0.313 & 0.591 & 0.943 & 0.008 \\ & & \vdots \\ \end{bmatrix}$$





$$\begin{split} & \max\left(\left(\left(Z^{\!(3)}\right)\right)^2 + \left(\left(Z^{\!(4)}\right)\right)^2\right) - u^2 - v^2 = 0 \\ & \min\left(\left(\left(Z^{\!(3)}\right)\right)^2 + \left(\left(Z^{\!(4)}\right)\right)^2\right) - u^2 - v^2 = -2.89908597284061 \cdot 10^{-6} \end{split}$$