

LAB 2: Finding angle between two polar curves, curvature and radius of curvature

Write a program

- 1) To find the angle between the curves $r=4(1+\cos t)$ and $r=5(1-\cos t)$.
- 2) To find the radius of curvature of $r=4(1+\cos t)$ at $t=\pi/2$.
- 3) To find the radius of curvature of $r=a\sin(nt)$ at $t=\pi/2$ and $n=1$.