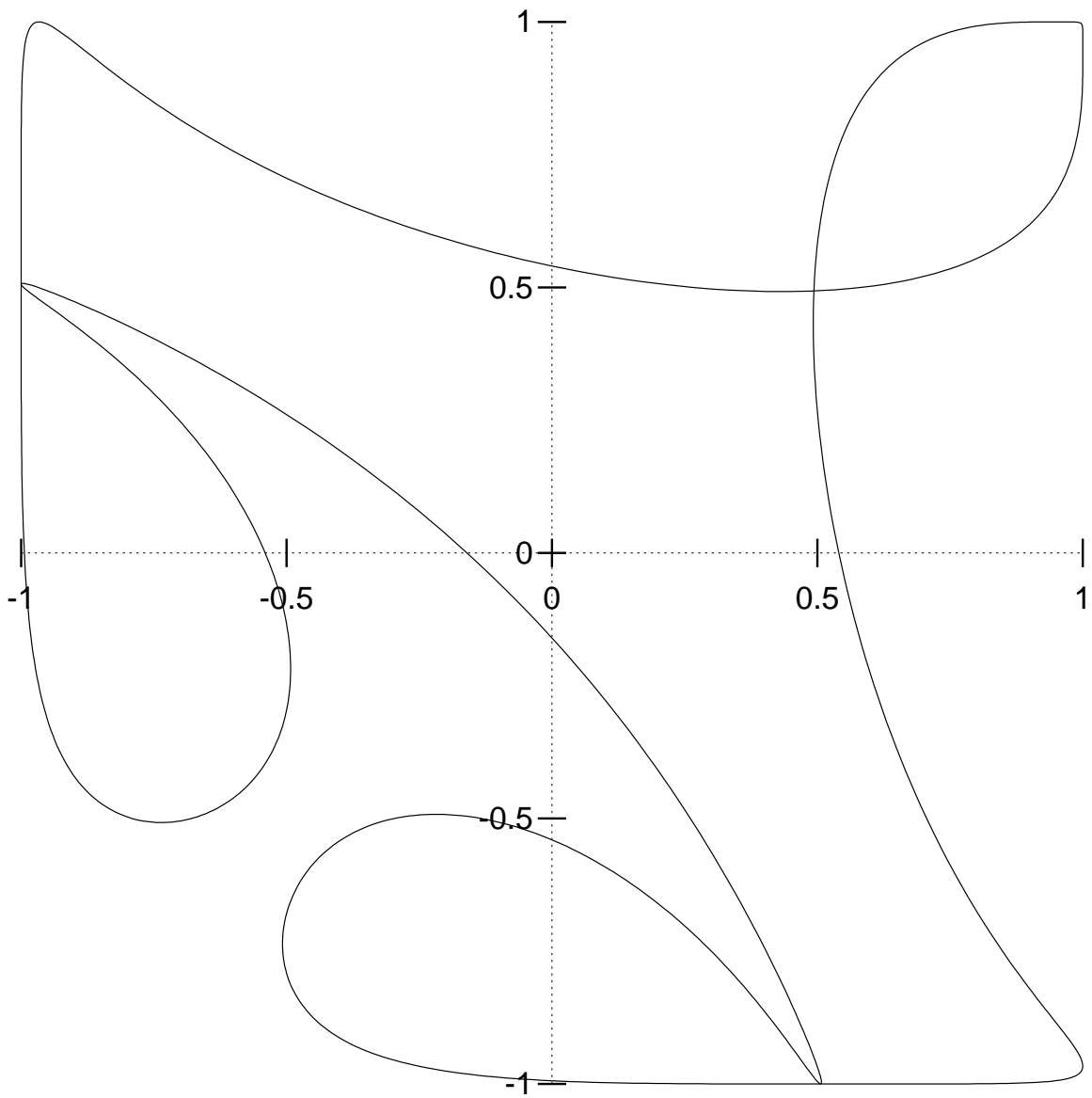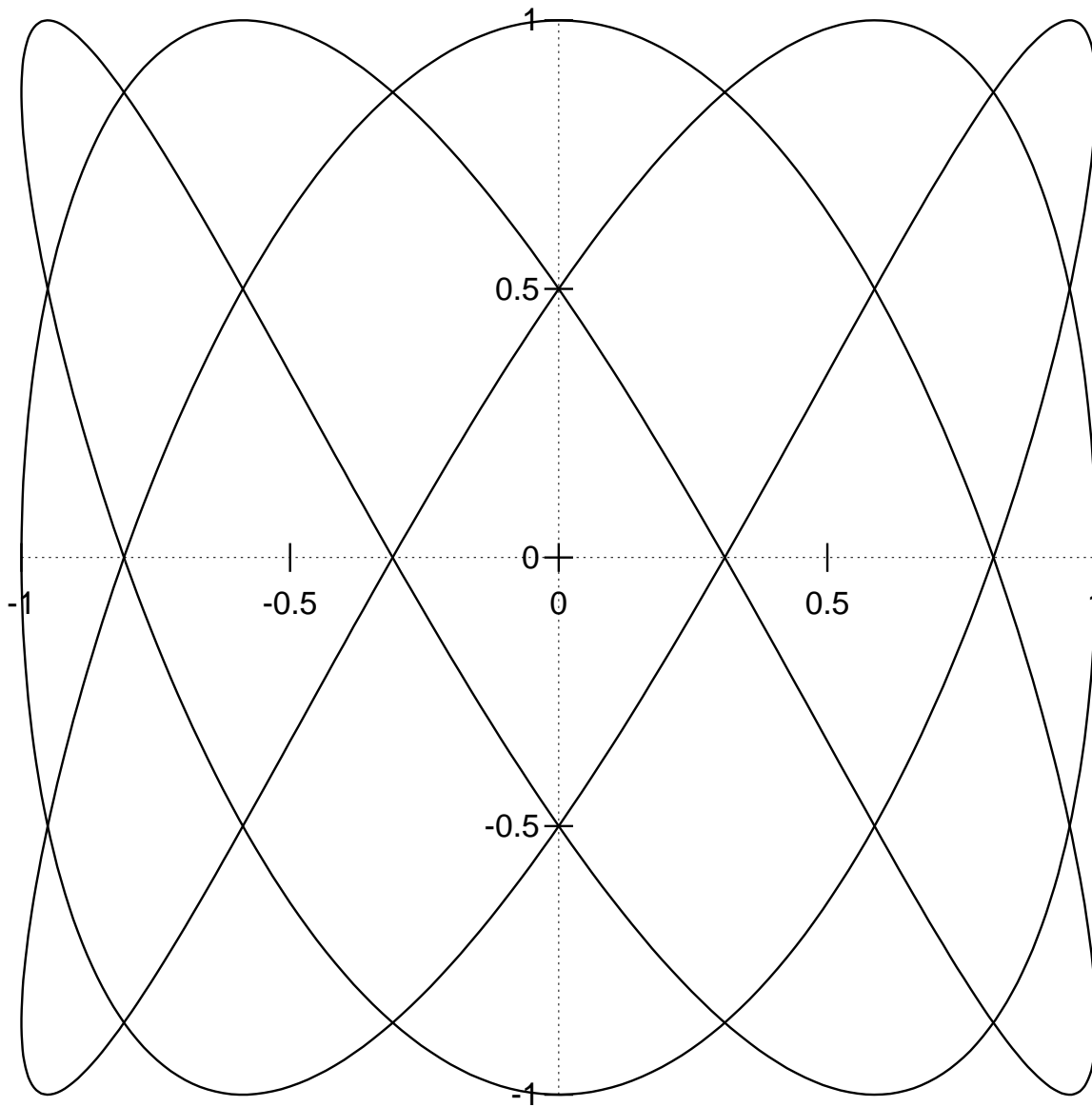$$x = \tan^{-1} t + \frac{\cos t^3}{1 + t^2}, \ y = \tan^{-1} t + \frac{\sin t^3}{1 + t^2}$$

$$-\infty < t < \infty$$

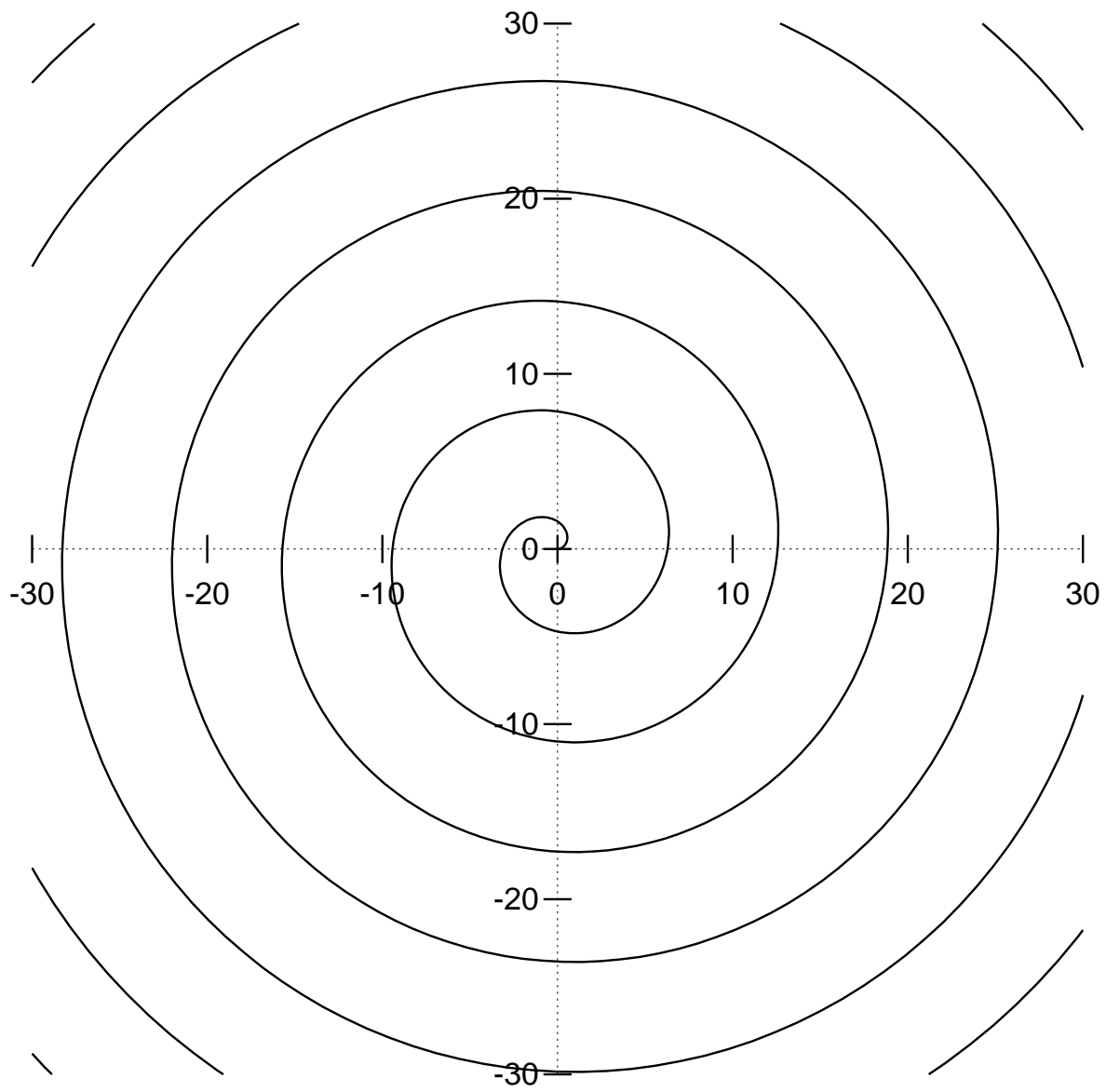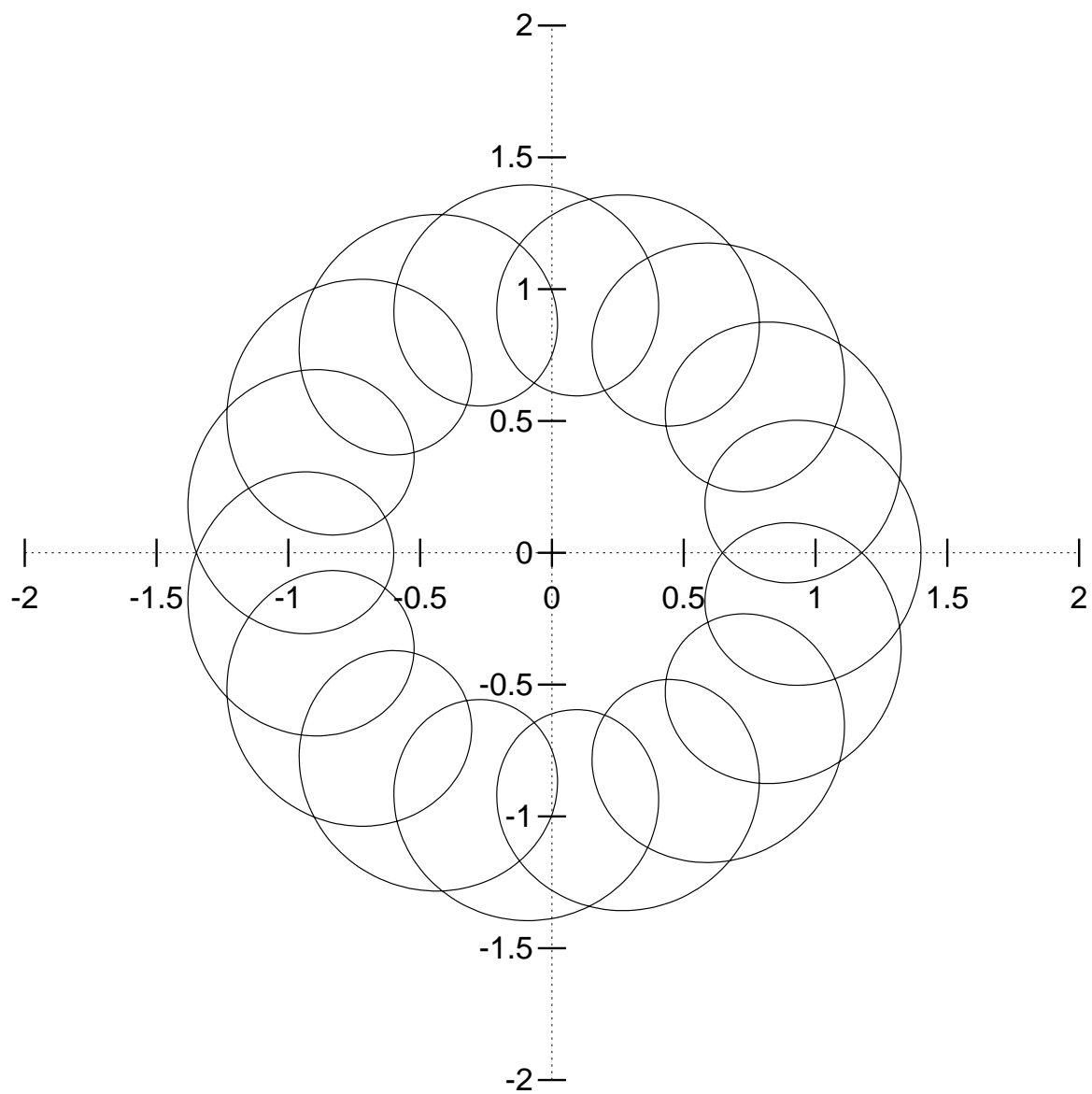$$x = \cos(t + \cos 3t), \ y = \sin(t + \sin 3t)$$

$$0 \le t \le 2\pi$$

$$x = \cos(3t), \; y = \sin(5t)$$

$$0 \le t \le 2\pi$$

$$x = t\cos t, \ y = t\sin t$$

$$0 \le t \le 30\pi$$

$$x = \cos t + 0.4 \cos 16t, \ \ y = \sin t + 0.4 \sin 16t$$

$$0 \le t \le 2\pi$$