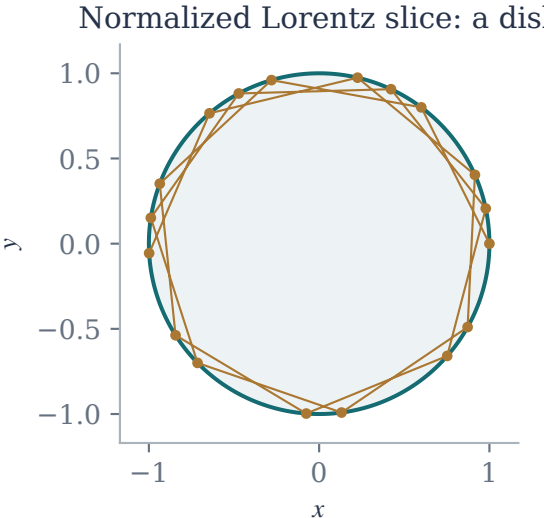


$$m \geq \sqrt{x^2 + y^2}$$

$$\det J = (m^2 - x^2 - y^2)/4$$

$$\lambda_{\pm}(J) = (m \pm \sqrt{x^2 + y^2})/2$$