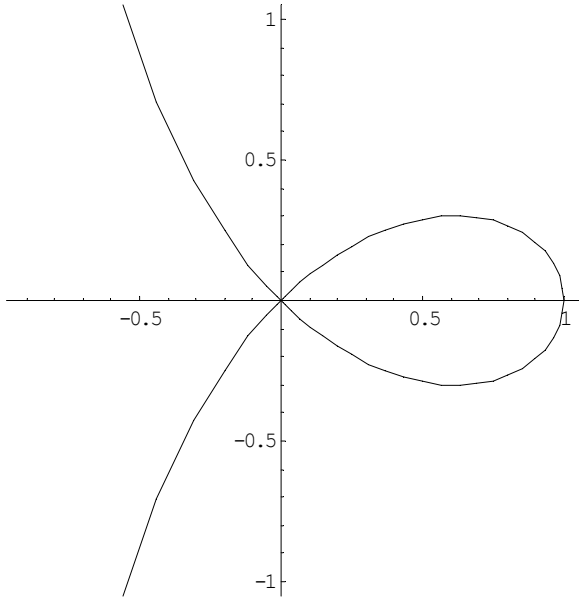
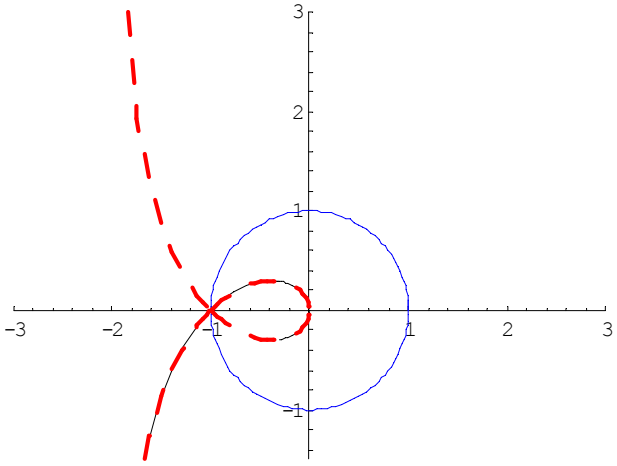
Gleichung der Strophoide

$$y^2\,(x+1) = x^2 - x^3$$

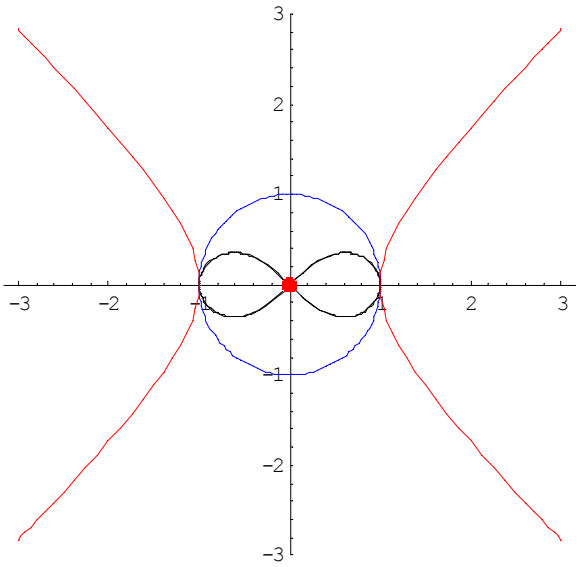
$$y^2 = x^2\,\frac{1-x}{1+x}$$





$$y^2 = x^2\,\frac{1-x}{1+x}$$

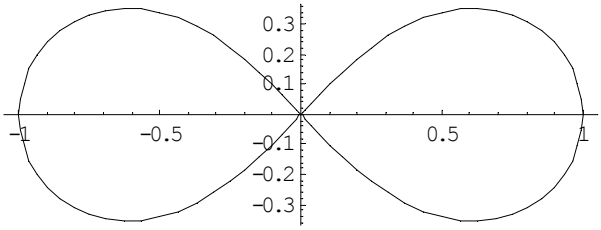
Links x durch x+1 ersetzen
Diese Strophoide geht in sich über



$$(x^2 + y^2)^2 = x^2 - y^2$$

$$r(\phi) = \pm\sqrt{\cos 2\phi}$$

Lemniskate als Bild dieser Hyperbel



Datei C:\Dörte\Mathematik\GEOMETRI\inversion-teile.wpd März 1998

Update 18. Januar 2004 Dr. Dörte Haftendorn