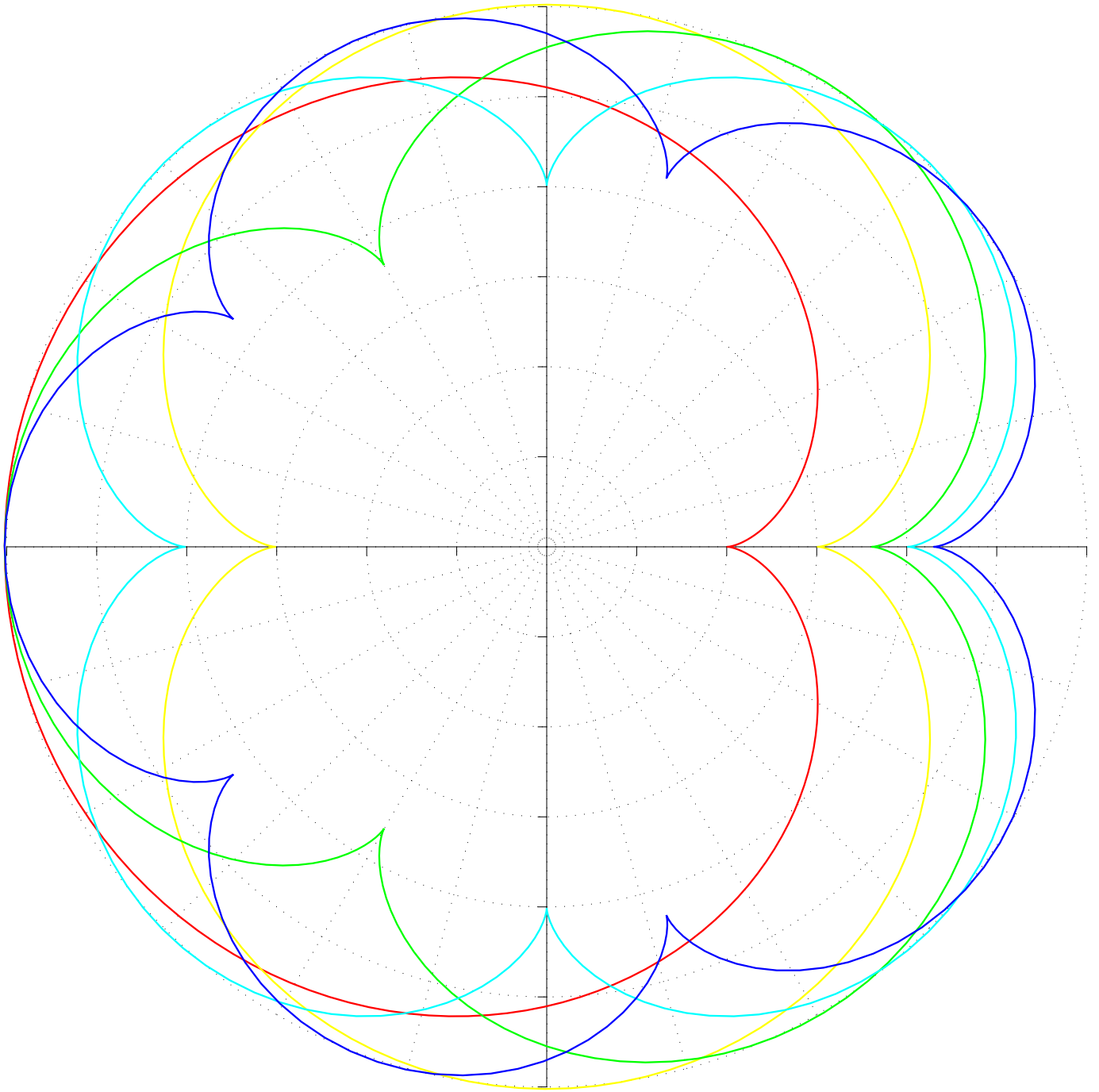
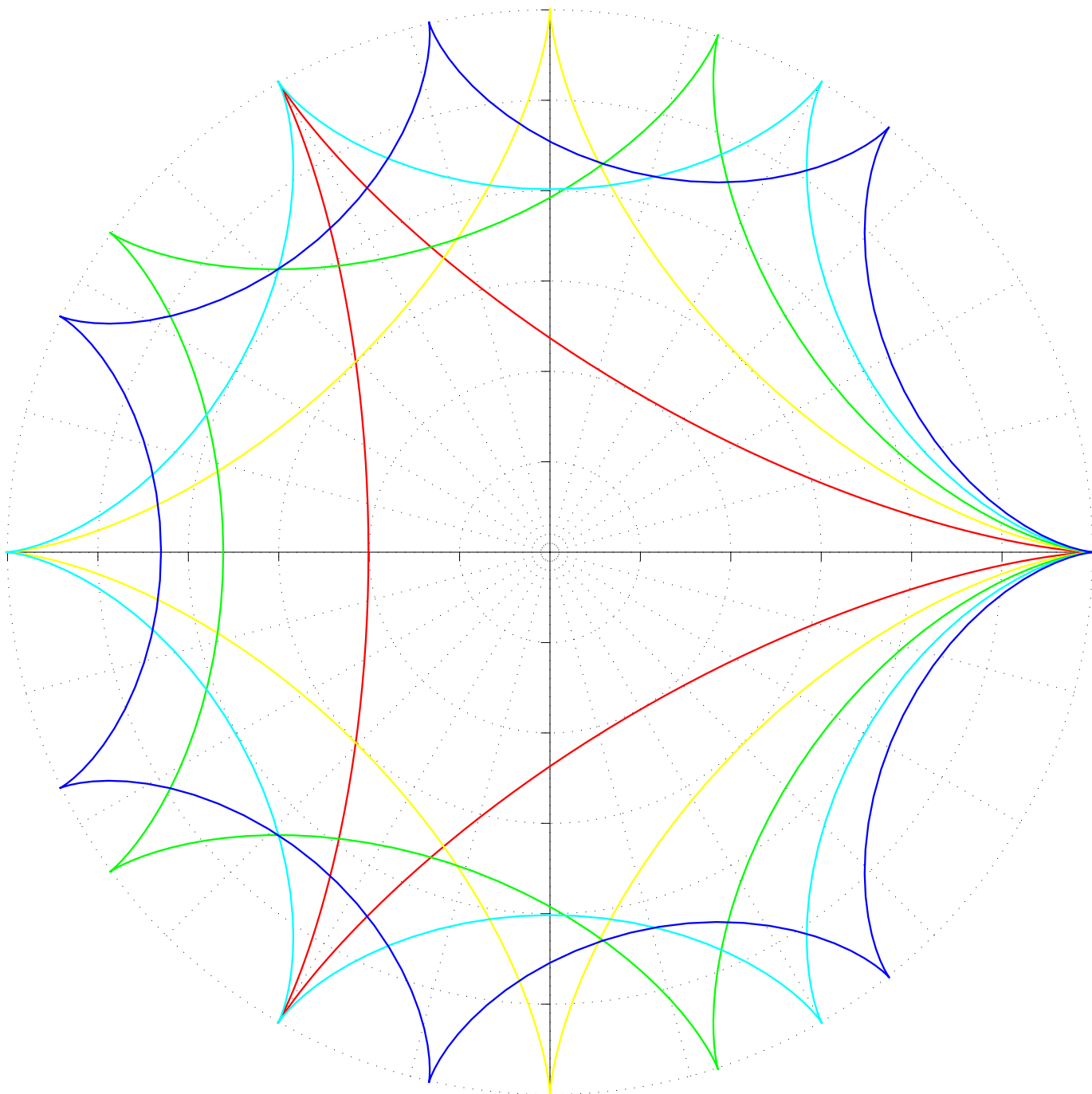


I. Epicycloids



$$x(t) = \frac{r}{n+1}[n \cos(t) - \cos(nt)] \quad y(t) = \frac{r}{n+1}[n \sin(t) - \sin(nt)]$$

II. Hypocycloids



$$x(t) = \frac{r}{n+1}[n \cos(t) + \cos(nt)] \quad y(t) = \frac{r}{n+1}[n \sin(t) - \sin(nt)]$$