

Dynamical flow around a cylinder

$$\left(r^2 - \frac{c_1}{r}\right) \sin^2 \theta = c_0$$

which is the same as

$$r^3 - \frac{c_0}{\sin^2 \theta} \cdot r - c_1 = 0$$

which can be solved by the formula of Cardano:

$$r^3 + 3pr + 2q = 0$$

