We consider the steady flow of a Navier-Stokes liquid that fills
the whole space around a body of revolution that possesses the fore-and-aft
symmetry. We show that, if the angular velocity of the body is sufficiently
small, there exists one and only one solution whose velocity field has a
finite Dirichlet integral. Moreover, we furnish a completely detailed
description of the asymptotic structure of the velocity and corresponding
pressure fields, which shows, in particular, that the velocity field decays
algebraically as $1/|x|^2$, as $|x|\to\infty$. If the body lacks of the
fore-and-aft symmetry, only the $1/|x|$ decay can be assured.