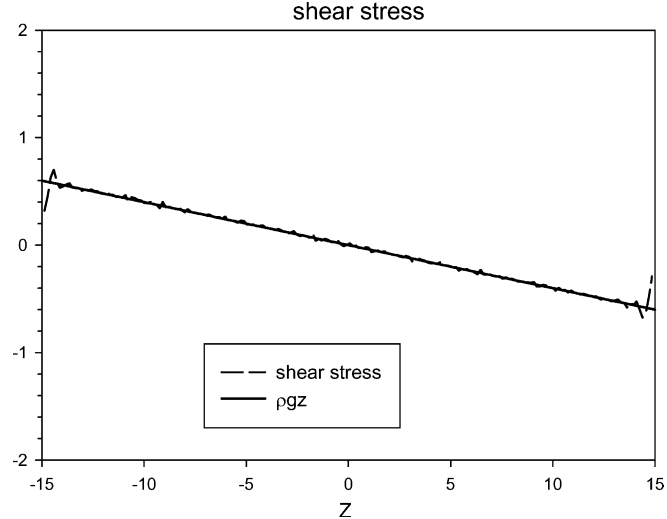
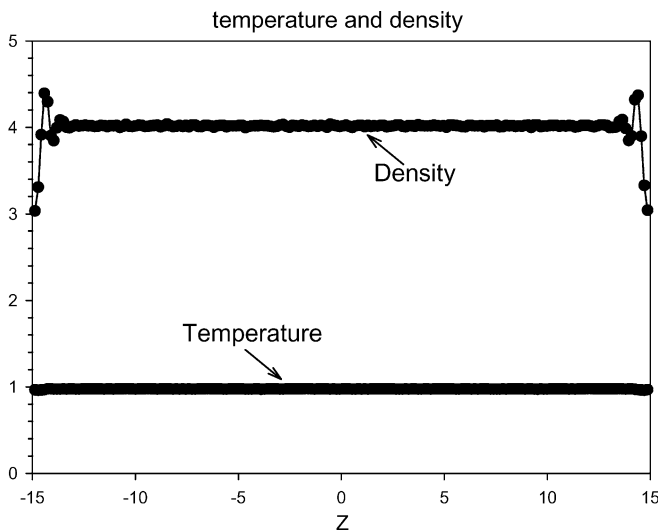


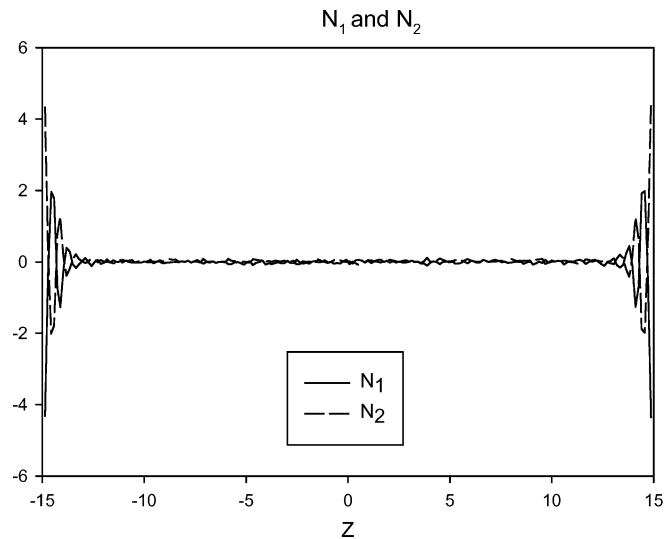
**Fig. 2** The fully developed velocity and the Navier–Stokes solution



**Fig. 4** The shear stress and the analytical solution



**Fig. 3** The temperature and density



**Fig. 5** The first and second normal stress difference