1118-35-21 **Marcelo M Disconzi*** (marcelo.disconzi@vanderbilt.edu), 1326 Stevenson Center, Vanderbilt University, Nashville, TN 37240, and **David G Ebin**, Department of Mathematics, Stony Brook University, Stony Brook, NY 11794. *The free boundary Euler equations in 3D.*

We study the incompressible free boundary Euler equations with surface tension in three spatial dimensions. After establishing local well-posedness of the equations, we show that, under natural hypotheses, solutions are near those of the Euler equations in a fixed domain if the surface tension is sufficiently large. (Received December 18, 2015)