1033-35-236   **Steve Shkoller*** (`shkoller@math.ucdavis.edu`), University of California at Davis, Davis, CA 95616. *Moving interface problems for the Euler equations.*

We will describe geometric energy methods and new approximation schemes that prove well-posedness for the incompressible and the compressible Euler equations with either one phase or two. (Received September 11, 2007)