

1046-86-1185

**Willi Freeden\*** ([freeden@mathematik.uni-kl.de](mailto:freeden@mathematik.uni-kl.de)), TU Kaiserslautern, Geomathematics Group,  
67663 Kaiserslautern, Germany. *Inverse Potential Theory on the Sphere.*

The talk deals with inverse potential theory on the sphere and its applications to problems in (terrestrial) Earth's gravity determination and (geostrophic) ocean circulation modeling. (Received September 15, 2008)