



Catalogue of proved impact craters on the Earth as seen by gravity data

Jaroslav Klokocnik (2), Jan Kostelecky (1,3), Josef Sebera (2,3)

(1) Research Institute of Geodesy, Topography and Cartography, Geodetic Observatory Pecny, Ondrejov, Czech Republic (kost@fsv.cvut.cz), (2) Astronomical Institute of the Czech Acad. Sci., Fricova 1, CZ-251 65 Ondrejov (jklokocn@asu.cas.cz), (3) Faculty of Civil Eng., CTU in Prague, Prague, Czech Republic (kost@fsv.cvut.cz)

We present two potential functionals, the free-air gravity anomalies in spherical approximation and the radial second derivative of the disturbing potential represented by EGM 2008, together with satellite images (mostly from Google Earth) and geological maps (where available), for selected impact craters on the Earth with diameter larger than 30 km. The database of the proved impact craters is available on: www.unb.ca/passc/ImpactDatabase.