The nucleon and meson effective masses in the RMF theory

R. Manka and I. Bednarek
Institute of Physics, Uniwersytecka 4, Katowice 40-007, Poland
e-mail: manka@us.edu.pl *and* bednarek@us.edu.pl

Abstract

The nucleon and meson effective masses in the nonlinear RMF theory with the additional sigma-omega-rho coupling is explored. The form of the symmetry energy in such extended model is studied.