SOME PROPERTIES OF THE THREE-ANYON SPECTRUM

S. Mashkevich

Taras Shevchenko Kyiv National University, Faculty of Physics (6, Academician Glushkov Prosp., Kyiv 03127, Ukraine; e-mail: mash@mashke.org)

Summary

The low-lying part of the spectrum of three anyons in a harmonic potential is found numerically, and some qualitative features of the spectrum are analyzed. The novel feature discovered is the presence of a significant number of states whose energy varies with the statistics parameter almost linearly. A semiclassical interpretation of such states is given.