WOBBLING NUCLEUS II

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Abstract. This paper is supposed to act as a helpful example of how to correctly typeset your contributions before submitting them to the Romanian Journal of Physics. Please, beware that failing to provide your contribution using this LaTeX style may result in indefinite delays in publishing your paper even after receiving the reviewers' recommendations for publication.

Key words: Nuclear Structure, Triaxial Nuclei, Wobbling Motion, Parity Symmetry, Signature Partners, Strong Deformation.

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1. INTRODUCTION COMPATIBILITY

The Romanian Journal of Physics (RJP) style was designed to allow authors, who use mainly LaTeX for typesetting their papers, to submit contributions to this journal of the Romanian Academy Publishing House. At the same time, by using this style, the authors will have much better control over the final layout of their paper and they will know the number of pages their contribution will occupy when bound in the printed volume (of course only if their contribution will first be accepted and recommended by RJP's referees for publication). [1] and [2] are citations.

2. EXAMPLES FOR VARIOUS ENVIRONMENTS

This section includes examples of different environments containing media and data material (the copyright of which is already owned by RJP) much needed in any good scientific publication. For instance below (in figure 1) we present a *figure* environment as it must appear in every contribution submitted to our journal (this picture is in PNG format so compiling must be done using *pdflatex* command rather than the usual *latex* command or one should specify the **pdftex** driver when loading the **graphicx** package).

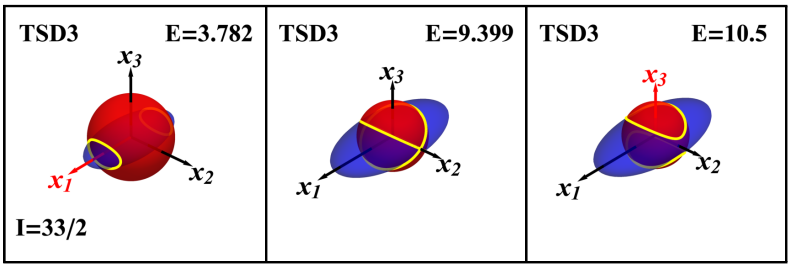

Fig. 1 – This is a sample picture taken from RJP volume **50**(1-2) from page 129 (2005).It illustrates (hashed areas) the instability domains for a series of nonlinear Schrödinger equations determined using the deterministic approach to modulational instability.

Table 1

This table is taken from RJP volume **50**(1-2) from page 43 (2005). It gives the " *number of bound states dependence on the radius of space curvature for* $\alpha = 0.005$, $U_0 = 1$".

Value ρ	Value ε
$\rho = 50$	–
$\rho = 100$	–
$\rho = 250$	$\varepsilon_1 = 0.0289$
$\rho = 400$	$\varepsilon_1 = 0.3772$
$\rho = 1000$	$\varepsilon_1 = 0.4142$, $\varepsilon_2 = 0.8495$

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REFERENCES

1. D. E. Knuth, D. R. Bibby, "*The TEXbook*", 20th edn. (AMS & Addison-Wesley Publ. Co., 1991).
2. D. E. Knuth homepage: `www-cs-faculty.stanford.edu/~knuth`.