

Title: Unusual physical tables

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Abstract: The main outcomes of this thesis are electronic physical tables containing over 300 items of objects and their properties known as physical quantities. These tables are part of the thesis and are to be found at its end as an attachment. This thesis deals with the selection of suitable objects from real life and with the use of their typical features for creating new physical tables. This thesis includes the mapping of high school textbooks that served as the basis for the selection of objects and their properties as well as creation of electronic physical tables and their use in teaching. This thesis contains four sample tasks for elementary and secondary schools as well as guidance for the use of electronic tables. Part of the thesis deals with the issue of point mass and methods of measuring and estimating physical quantities by using simple tools.

Keywords: physical quantities, electronic tables, tabulated data