

Title: Descriptive geometry applications in cartography

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Abstract: This thesis is focused on constructions of geographic nets in maps and serves as a base for studies and teaching for teachers and students of secondary schools or universities, which are focused on the cartography field. The thesis contains seven chapters, the first of which describes basic terms used in the thesis. Other chapters deal with the analysis of chosen cartography projections, whereas the first three chapters concern with the projection of the globe into a plane, another two chapters concern with a cylindrical surface and the last one concerns with a conical surface. Constructive tasks, which serve for practising the subject matter, are enclosed for each chapter.

Key words: cartographic projection, azimuthal projection, orthographic projection, gnomonic projection, stereographic projection, cylindrical projection, conical projection