

The four chapters of this diploma thesis introduce a survey of the basic intersection types of solids, the focus being placed on the intersection of two pyramid and prisma solids, acting as a counterweight to most textbooks' interest in intersection of curved surfaces. The first chapter provides a detailed, wide-ranging insight into the issue of the solid and line intersection. The conclusion part of the thesis provides the reader with a brief commentary on the used literature. The work is supplemented with figures and example solutions. In the appendix part are found pre-drawn assignments. The enclosed CD contains complementary materials such as step by step solutions and 3D models created in the GeoGebra software along with drawn problems found especially in upper secondary school geometry textbooks and curriculum.