

Abstract

Title: Technical shadows

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Abstract: This bachelor's thesis concerns with the topic of technical shadows. Technical shadows are a special case of parallel shadows and its direction has a special position towards the projection plane. It is commonly used for constructing solids of revolution's shadows and its systems. The thesis has eleven chapters, the first eight of which contain the theory of technical shadows, the ninth chapter contains examples and exercises. In the chapter ten there is described usage of computer software for construction of technical shadows. The last chapter is about shading which is not commonly used.

Keywords: Lighting, Pillet plane, shading, shadow line, Rhinoceros