

MAPPING APPLICATIONS IN 3D STUDIO MAX USED FOR ILLUSTRATING THE TECHNOLOGICAL DIMENSIONING METHOD

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Abstract: The paper intends to present mapping applications developed in 3D Studio MAX program. In the considered applications Multi/Sub-Object materials are defined and assigned to different surfaces of an object. The purpose of this operation is to assign to different features of a part, different types of material which indicate the machining operations plan for a part. The applications presented in the paper have frequent use in teaching technical drawing, for the understanding of the representation of the projections of different types of parts and the designation of the surface characteristics, as well as the understanding of the dimensioning process of these parts, dimensioning which needs to follow the appropriate machining operations plan.

Key words: Dimensioning, machining operations plan, technical drawing, 3D Studio MAX.