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**New dimension in geometrical education.**

KoG 9, 45-60 (2005).

Summary: This paper describes the course “Methods of representation” that has evolved at the Faculty of Architecture in Graz in conjunction with developments in the modern practice of architectural design. We established web sites ([http://www.geometrie.tugraz.at/lehre/dm\\_ue03/](http://www.geometrie.tugraz.at/lehre/dm_ue03/) and <http://ikg.tugraz.at/dm0/ws04/>), which include the introduction in teaching, tutorials and VRLM animations to help students understanding space geometry. The course focuses on classical geometrical representation methods, solid modelling in CAD and geometrical freehand drawing. Each of these parts will be worked out and examples of student exercises will complete the paper.

*Classification:* G85 M85 R25 U75

*Keywords:* descriptive geometry; geometry education for students of architecture; CAD; visual communication;