



Universität Stuttgart

Institut für Visualisierung
und Interaktive Systeme

Universitätsstr. 38
D-70569 Stuttgart

Tel: (07 11) 78 16 - 269
Fax: (07 11) 7816 - 340
Email: falk@vis.uni-stuttgart.de

**Einladung zum
VIS-Kolloquium**

20.06.2008

Im Rahmen des VIS-Kolloquiums spricht

Prof. Arthur I. Karshmer

University of San Francisco
am Freitag, dem 27.06.2008 um 14:15 Uhr,
im Seminarraum 0.108 des Informatikgebäudes
Universitätsstraße 38, 70569 Stuttgart

über

**The MathGenie and the AutOMathic Blocks system: Two
computer based tools to help the blind deal with
mathematics**

The non-linear nature of mathematics makes the study of the discipline extremely difficult for students with severe visual impairment. Braille solutions such as Marburg, Nemeth and Stuttgart systems, have been essential tools the educational process of the student with visual problems. But, Braille itself offers only a small window into the multidimensional nature of math. The MathGenie and AutOMathic Blocks systems offer tools to help the student deal with math through the use of Braille, tactile interaction and structured spoken output. The two systems will be described and short demonstrations will be presented.