

MATHEMATICS IN CONTEMPORARY ART AND DESIGN AS A TOOL FOR MATH-EDUCATION IN SCHOOL

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Short description of the Discussion Group: aims and underlying ideas

Aim Nr. I (Tuesday) :Mathematics in contemporary art with special view on roots in countries of origin of refugees actually entering Europe. The idea is to give indigenious children (and adults) as well as immigrated children (and adults) by the way an idea of the cultural level in their formerly homelands and some proudness, too.
Aims Nr. II (Friday) First:Contemporary art and design often is real applied mathematics and it is more interesting to scholars than traditional math teaching. Secondary: The velocity of the internet allows artists to pick up new results nearly simultaneously to the specialists and introduce them into their artpieces. Examples, Lectures, Handouts: Participants of DG are asked to search for examples (aim I or aims II). If possible send them in advance to guderian@ph-freiburg.de to find out together, which examples might be effective for a short lecture during the sessions. Resting examples may be introduced by handouts to the DG, too. There are three exhibitions in Hamburg galleries (Kammers, Multiple-Box, Preussners) specially curated for the DG. During ICMI every day information on their events via: [www: dietmarguderian.de](http://www.dietmarguderian.de)

Tuesday, 16.30-18.00: Planned timeline	Topic	Material / Working format / presenter
Dietmar Guderian	Non-European Mathematical Roots in Art (Examples from the Islamic World, UdSSR, Africa)	Powerpoint - Presentation
NN (Member of the DC)	Will be published	
Werner Dorsch (Artist) Tuesday, Wednesday 8 p.m	Chance and Order visite of three galleries	Fotos of artpieces of him and others shown in Gallery Preussners-Hamburg during ICMI Meeting Pt: Univ. Main Building

Friday, 16.30-18.00:	Topic	Material / Working format /
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Last names of the organisers

Planned timeline		presenter
Dietmar Guderian	Mathematics in Contemporary Art	Powerpoint-Presentation of Artpieces shown in Hamburg galleries (Kammer,Preussners, Multiple-Box) during ICMI
NN (Member of DG)	Will be published	
Martin Vosswinkel (Artist) Friday 8 p.m.	Elementary geometrical Forms in contemporary Art visite of three galleries	Fotos of artpieces of him and others shown in Gallery Kammer Hamburg during ICMI MeetingPt: Univ.MainBuilding