



KAAPI WITH KURIOSITY

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Alexander Bobenko a professor of mathematics at the Technical University of Berlin. He received his PhD in mathematical physics from Steklov Mathematical Institute in St. Petersburg, Russia in 1985. His fields of interest include geometry, mathematical physics and their applications, in particular discrete differential geometry, integrable systems and visualization. He is an author of several mathematical books and animation films. Bobenko is a director of the DFG Collaboration Center "*Discretization in Geometry and Dynamics*".



THE DISCRETE CHARM OF GEOMETRY


Discrete geometric structures (points, lines, triangles, rectangles, polygons, etc.) are ubiquitous in everyday life, ranging from visible sophisticated freeform structures in contemporary architecture to hidden geometric algorithms in computer generated imagery. On the other hand, discrete geometric structures have also proven to be very useful in modeling and approximating continuous shapes (e.g. curves and surfaces) and real processes. This lecture provides a non-technical and pictorial introduction to the foundations of a new branch of mathematics which underpins these real world situations.

We will also show excerpts from our new computer-animated movie entitled "*conform!*". This film has won Best Experimental Short Film at the Berlin Short Film Festival.



SFB
TRR
109 | Discretization
in Geometry
and Dynamics

Kaapi with Kuriosity is a monthly public lecture series organised by the International Centre for Theoretical Sciences (ICTS-TIFR), in collaboration with the Jawaharlal Nehru Planetarium and other educational institutions in Bengaluru.

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REGISTER ONLINE



<https://bit.ly/kwk2018july>

When & where

**4 pm, Sunday,
22nd July, 2018**

J. N. Planetarium,
Sri T. Chowdaiah Road,
High Grounds,
Bangalore – 560 001

All are welcome