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Mathematics : Visualization

Bobenko, Alexander I., Gunn, Charles

conform!

- Well-presented film about conformal maps and their applications in geodesy, computer graphics, and architecture
- Winner of Berlin Short Film Festival 2015
- Mathematical Film addressed at everybody interested in mathematics
- Multilingual version – English, French, German, Italian and Russian

How can you make good flat maps of the round earth? Our story begins with Mercator's world map of 1569, the first angle-preserving (or conformal) world map. His idea fell on fruitful soil, from which a new branch of mathematics has developed. This movie shows some of the highlights of this development, yielding a series of elegant visual forms which arise as conformal maps on a variety of surfaces in 2- and 3-D. Featuring non-technical language, a simple aesthetic, compelling animation, and an original score, the movie builds an accessible bridge from everyday experience to a beautiful but little-known mathematical theory that continues to bear technological fruit today in fields such as computer graphics and architecture.

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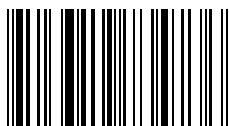
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