

MATH ENCOUNTERS



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infinitesimally **SIMILAR:**

the **ART and SCIENCE of CONFORMAL MAPPING**

Speaker: Akshay Venkatesh

Wednesday, October 8, 2025

Special introduction by **Alex Kontorovich**,
Distinguished Professor of Mathematics,
Rutgers University.

Afternoon Presentation

4:00 pm ET (New York)

Evening Presentation

7:00 pm ET (New York)

National Museum of Mathematics

225 Fifth Avenue

New York, NY

Every map of the world faces a problem: how do you flatten the globe without distorting it? Conformal maps offer an elegant solution - they preserve shape locally, so that, when you zoom in far enough, features on the map appear just as they do in reality. Developed by mathematicians in the nineteenth century, the notion of conformality has turned out to be far more than a cartographic curiosity; it helps us understand beautiful artwork and has found surprising scientific applications ranging from the study of electricity to the design of airplane wings. Join Fields Medalist Akshay Venkatesh for a journey through history, art, and science as he introduces the mathematics of conformal mapping.

Register now at mathencounters.org to reserve your place!

MATH ENCOUNTERS

*A public presentation series celebrating
the spectacular world of mathematics*

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