

# Fractals, Chaos and

A talk by  
**Václav Kučera, PhD**  
Charles University, Prague

**Tues, February 23, 2016  
at 7pm**

# the Geometry of Nature

Clouds are not spheres nor are mountains cones! What then is the shape of a cloud? Or a mountain? Classical geometry does not provide the answers. Can the shapes of nature be described using mathematics? Is there a formula for a fern leaf?

Answers to these questions are surprisingly simple, intuitive and beautiful though it took two millennia to discover them. The lecture will present the basic ideas behind fractals and chaos theory and the elegance and beauty they possess.

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Czechoslovak Society of Arts and Sciences (SVU)  
At Bohemian National Hall  
321 E 73 Street, 3rd floor, New York



VÁCLAV KUČERA, PhD, is senior assistant professor at the Department of Numerical Mathematics at Charles University in Prague. He specializes in the theory and practice of numerical methods for partial differential equations, especially computational fluid dynamics. Currently, he is a Fulbright Lecturer and Research Scholar at Brown University in Providence, RI.

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