

Seventh Annual Distinguished Morley Seminar

The beauty of fractals

Professor Gwyneth Stallard, OBE

Professor of Pure Mathematics at the
Open University

In this talk we discuss the fascinating structure of geometrical objects known as fractals, beginning with classic fractal sets such as Cantor sets and the von Koch snowflake. We will then explore fractals which arise as Julia sets in the subject of complex dynamics. These are sets on which the iterates of a function behave chaotically and they have structures such as a Cantor bouquet and an infinite spider's web. Major advances in complex dynamics have often come from applications of powerful techniques in topology and complex analysis, and have also led to new results in complex analysis with wider applications.

For further information, contact

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Wednesday 23rd October 2019

**2pm Slingo Lecture Theatre, JJ-Thomson
Building, University of Reading**