

Fundamental Science for Oil and Gas Exploration and Production

Interdisciplinary

Approach

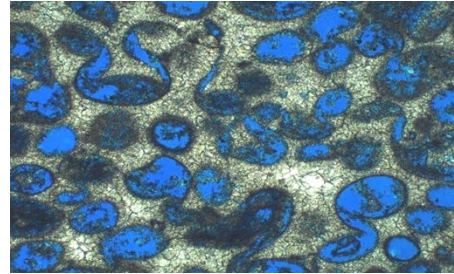
Chemistry

Physics

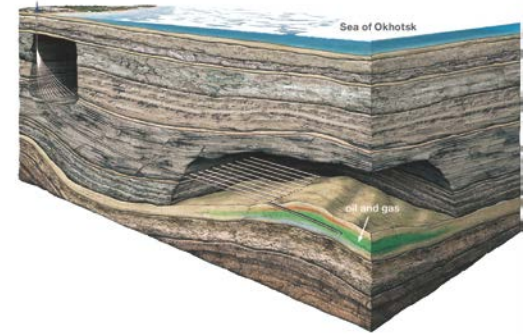
Geology

Mathematics

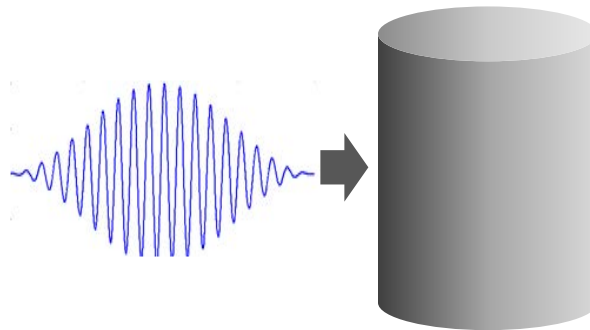
Evolution of rocks and fluid over geologic time



Assess reservoir volume and producibility for hydrocarbon exploration



Sensing of structures and flows



Extract data under harsh conditions for hydrocarbon production and processing



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