

The Physics of Magnetic Monopoles or

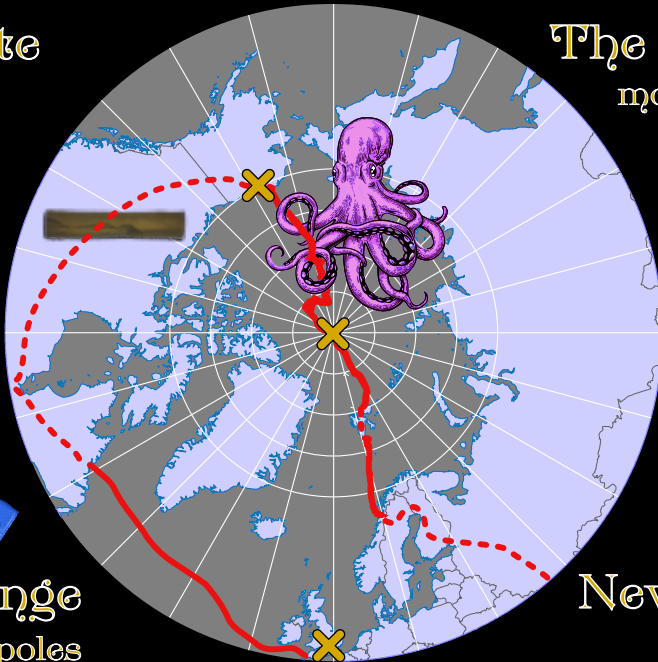
“How to pull the north pole off a magnet”



Felix Flicker
New College, Oxford

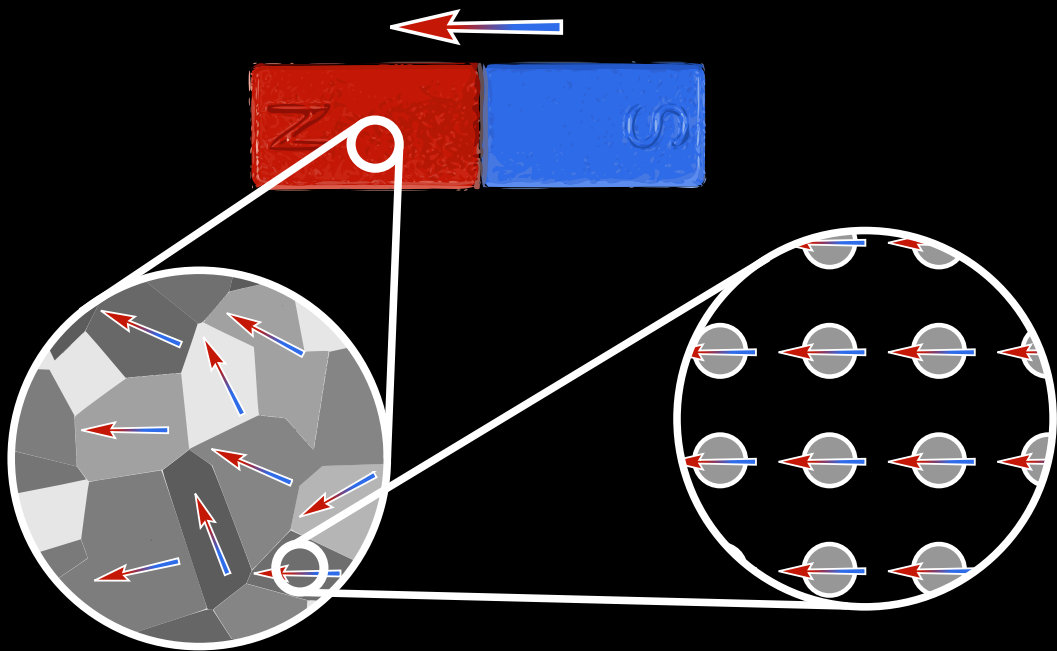
The Route
spin ice

The Expedition
monopole noise

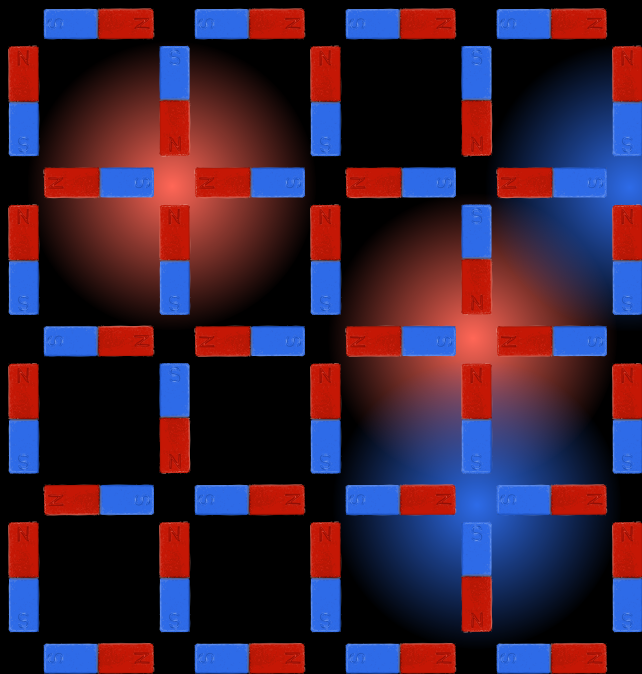


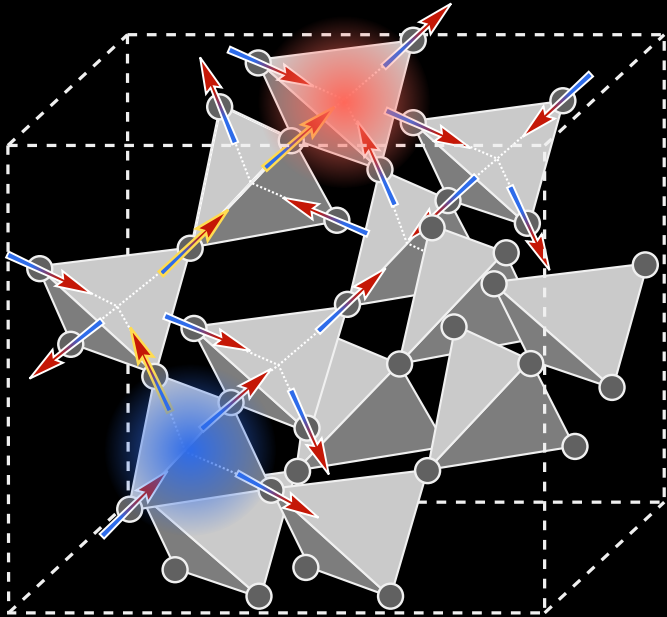
The Challenge
magnetic monopoles

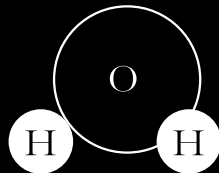
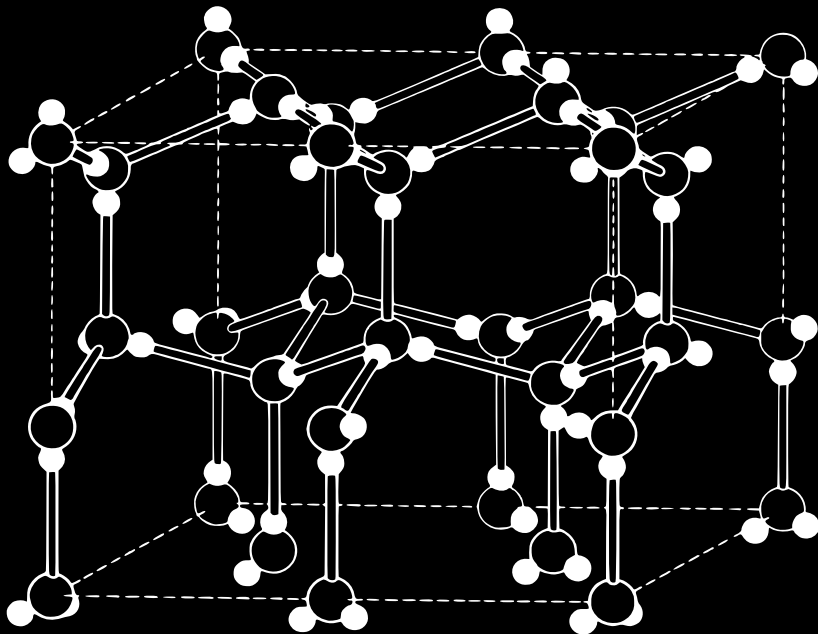
New Frontiers



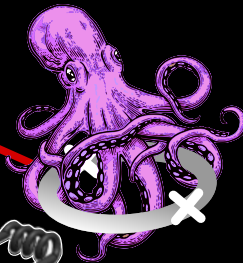




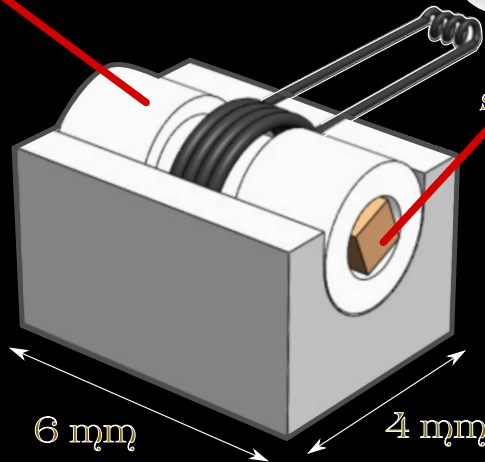




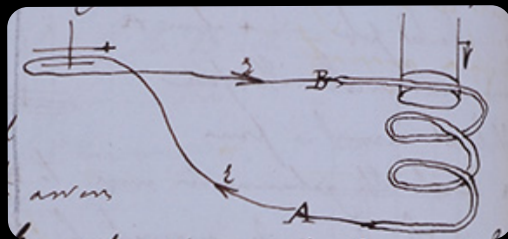
SQUID



Flux noise sensor



spin ice



Courtesy of the
Royal Institution archive
RI MS F/02/C/p040

Thanks for listening!

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Dharmalingam Prabhakaran (spin ice crystals)

Dominique Scarpa (19th century theme)

Jeff Lidgard (Faraday coil)

Leon Zaporski (colours of noise program)

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Magnetic monopole noise

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