

Chemical Science Blog

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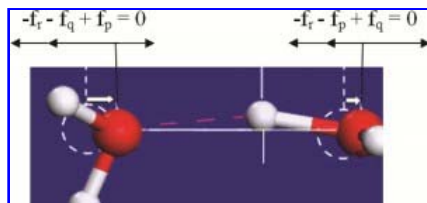
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Why does ice behave differently from other materials when compressed?

20 Mar 2012

By [Rachel Blackburn](#).

Scientists in Singapore and China say it is due to a hidden force – a coulomb repulsion between the unevenly-bound bonding and non-bonding electron pairs in the hydrogen bond. Understanding the behaviour of water is key to many fields of science and engineering.



Link to journal article

[The hidden force opposing ice compression](#)

C Q Sun, X Zhang and W Zheng

Chem. Sci., 2012, DOI: 10.1039/c2sc20066j