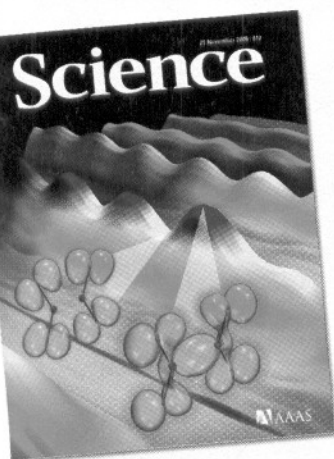




COVER

X-rays emerge with varying intensity (red/green wave) as an electron is pulled out of and then pushed back into a vibrating N_2O_4 molecule by an intense laser field. The pattern reveals real-time dynamic changes in electronic spatial configurations, or orbitals, at the compressed (left blue orbital) and stretched (right blue orbital) limits of the vibration cycle. See page 1207.

Image: Greg Kuebler, JILA/University of Colorado

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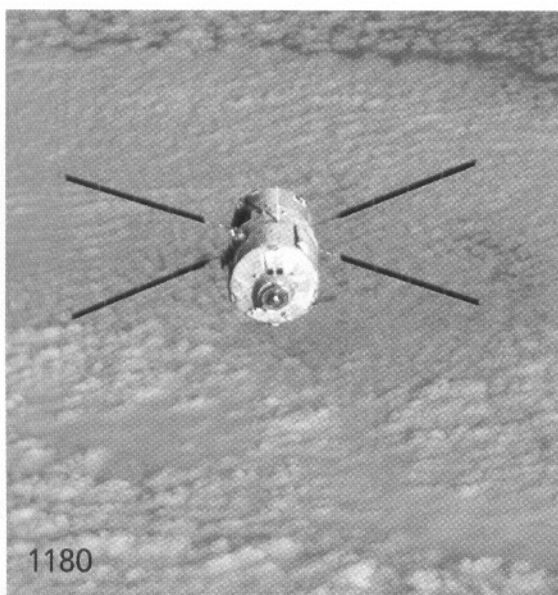
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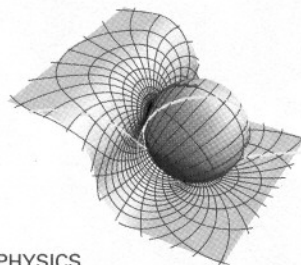
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Upon observing signs of social disorder (such as littering or graffiti), individuals are more likely to disobey a variety of social rules, including prohibitions against theft.

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10.1126/science.1161405

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Cells that escape death from a chemotherapy drug express a different array of proteins from genetically identical ones that died, which may help to inform cancer therapeutics.

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10.1126/science.1160165

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Broadband Invisibility by Non-Euclidean Cloaking

U. Leonhardt and T. Tyc

In theory, materials with a negative refractive index deployed in a curved, non-Euclidean space can provide a route to cloaking and invisibility across a range of wavelengths.

10.1126/science.1166332

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J. Eid et al.

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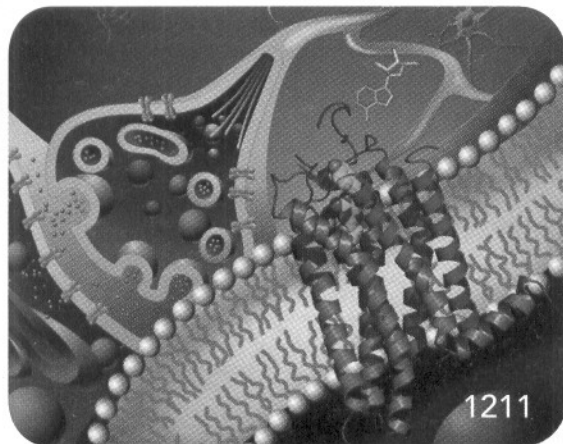
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