

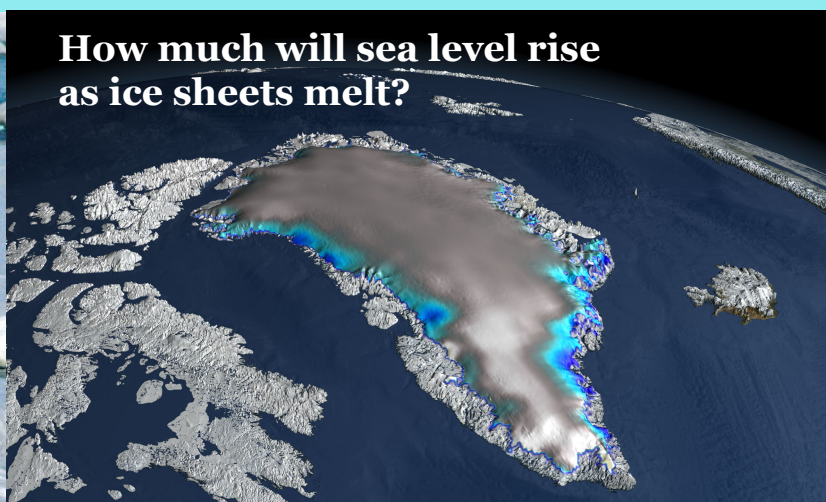
Math Awareness Month - April 2009

Mathematics and Climate

Find out how math and science are used to address questions of climate change:



How long will the summer Arctic sea ice pack survive?



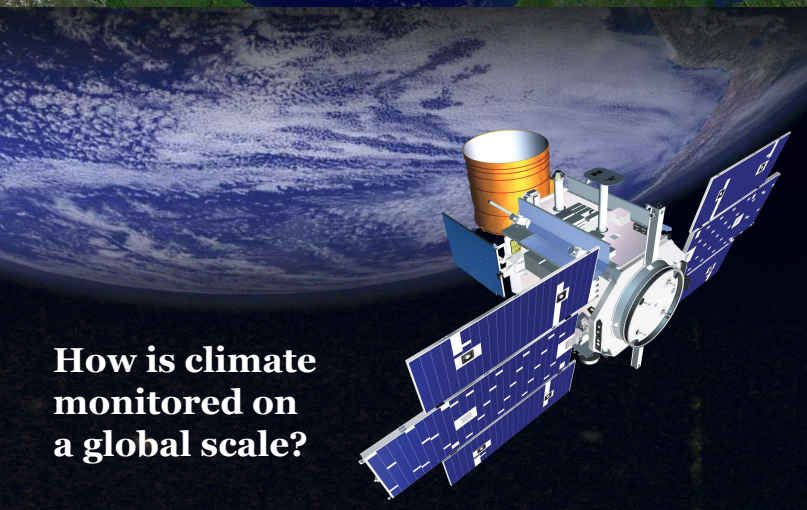
How much will sea level rise as ice sheets melt?



Are hurricanes getting stronger?

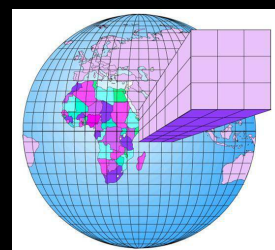


Is global warming man-made?



How is climate monitored on a global scale?

How can we improve our understanding of climate change and what can we do about it?



$$\frac{\partial \mathbf{u}}{\partial t} + (\mathbf{u} \cdot \nabla) \mathbf{u} = -\frac{1}{\rho} \nabla p + \mathbf{F} + \frac{\mu}{\rho} \nabla^2 \mathbf{u}$$
$$\frac{\partial \rho}{\partial t} + \nabla \cdot (\rho \mathbf{u}) = 0$$



www.mathaware.org

Committee

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Kerry Emanuel (MIT)

Margot Gerritsen (Stanford)

Jon Huntsman, Jr. (Governor of Utah)

Mary Lou Zeeman (Bowdoin)

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David Holland (NYU)

David Neelin (UCLA)

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