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ALC	Salzman-Maasch Model
	Milankovitch forcing
	global ice mass $\rightarrow \dot{X} = -X - Y - u \dot{M} (t)$
	atmospheric CO <sub>2</sub> $\rightarrow$ $\dot{Y} = -pZ + rY + sZ^2 - Z^2Y$
deep o	ocean temperature $\rightarrow \dot{Z} = -q(X+Z)$
Barry Salzman and Full P	I Kirk A. Maasch, "A Low-Order Dynamical Model of Global Climatic Variability Over the leistocene," <i>Journal of Geophysical Research</i> <b>95</b> (D2), 1955-1963 (1990)









Ask Samantha.









## **Glacial Cycles**

Huybers' Analysis of Deglaciations

Huybers' model produces the decline in temperature and the increase in period and amplitude of the glacial cycles, but it depends heavily on an unspecified decline in the sensitivity of the triggering mechanism over last two million years.

Revised in 2011.









