



A stochastic resonance model for abrupt climate changes

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The glacial-interglacial changes observed in Paleoclimatic data of the Middle and Late Pleistocene periods are analyzed in terms of a generalized stochastic resonance model. The new element of the model is a coupled threshold dynamics which accounts for the asymmetric, saw-tooth shaped temperature oscillations occurring both at Milankovitch (100kyr) and millennial time scales.