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News

# Robotic roach creates order from chaos

Chaos theory eases the path of autonomous robots.

Zeeya Merali

Chaotic cockroaches may sound like the stuff of nightmares, but they could be key to making robots more adaptable. The application of chaos theory to the mobility of robotic insects may also help biologists to understand animal motion and could have medical applications.

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#9331

Robot creates (?) order from chaos?

The notion of chaos, as it is assumed and used in nonlinear dynamics, synthesizes the Greek root khaos, which refers to an originating primordial structure.

The notion of chaos signalizes and localizes the existence of order/structure in the aleatorial, which, in turn, is situated at the level of the systemic effects that depend upon the formative conditions of the systems. That order is incorporated in the systemic adaptive "kits".

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Posted by: maria odete madeira | 2010-01-18 01:47:17 PM

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