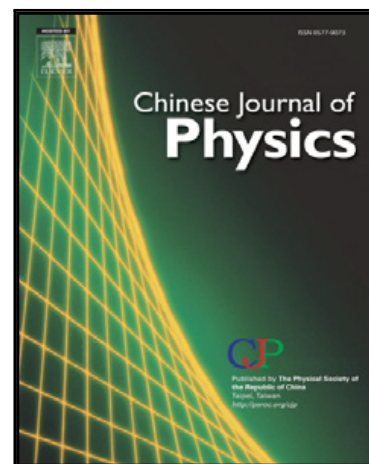


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Dynamics of a horizontal saccadic oculomotor system with colored noise

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Highlights of this paper are as follow:

1. The stochastic dynamics model of saccadic system is built by introducing the colored noise into burst neuron.
2. The stochastic P bifurcation and coherence resonance of bistable high-order systems are discussed.
3. The possible pathogenesis of intermittent nystamus is predicted.

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