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# GLOBAL PERIODIC ATTRACTOR OF A THIRD-ORDER PHASE-LOCKED LOOP

林源渠

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**摘要** In this paper, the existence of a global periodic attractor for a third-order phase-lockedloop with tangential phase detector characteristic and frequency modulation input is provedunder some condition on the parameters.

**关键词** [Global periodic attractor, th](#)

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# GLOBAL PERIODIC ATTRACTOR OF A THIRD-ORDER PHASE-LOCKED LOOP

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**Abstract** In this paper, the existence of a global periodic attractor for a third-order phase-lockedloop with tangential phase detector characteristic and frequency modulation input is provedunder some condition on the parameters.

**Key words** [Global periodic attractor](#) [third-order phase-locked loop](#)

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