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Boundedness of Nonlinear Differential Systems with Impulsive Effect on Random Moments

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摘要 The model of nonlinear differential systems with

impulsive effect on random moments is brought forward in this

paper. Then, sufficient conditions for (uniform, uniform and

ultimate, and uniform and uniformly ultimate) p -moment

boundedness of the systems are presented. Finally, an example is

discussed to show applications of two obtained results.

关键词 [Impulsive differential system, \$p\$ -moment boundedness, ultimate boundedness, Liapunov function](#)

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Abstract

Key words

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