



Acerca de las bifurcaciones de un convertidor ZAD-Cuk [

2017

text (article)

Analítica

In this paper, we make a bifurcation analysis of a mathematical model for a Cuk converter when it is controlled by center PWM (Pulse Width Modulator) and ZAD (Zero Average Dynamics) strategy. Different nonlinear phenomena like bifurcations and chaos are reported when the parameters associated to the commutation surface are varied. Finally, the existence of chaotic behavior in the system is determined using Lyapunov exponents

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Editorial: 2017

Tipo Audiovisual: Bifurcaciones caos Cuk ZAD Bifurcations chaos Cuk ZAD

Documento fuente: Scientia et Technica, ISSN 0122-1701, Vol. 22, Nº. 4, 2017, pags. 403-410

Nota general: application/pdf

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Lengua: Spanish

Enlace a fuente de información: Scientia et Technica, ISSN 0122-1701, Vol. 22, Nº. 4, 2017, pags. 403-410

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