



今天是 2013-06-07

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文桂林

个人情况

性别: 男

出生年月: 1970.2

职称职务: 教授/博士生导师

工作单位: 湖南大学汽车车身先进设计制造国家重点实验室

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目前从事的研究领域及主要研究方向

非线性振动理论与非线性动力学控制, 智能车辆, 车辆结构CAE, 特种装备CAE等。

主要学历

1995.09-1998.06 西南交通大学 工程力学系一般力学专业 硕士

1998.09-2001.06 西南交通大学 工程力学系固体力学专业 博士

主要工作经历

2001.09-2004.07 新加坡南洋理工大学机械与制造工程学院 Research Fellow

2004.09-2005.06 新加坡国立大学电机与计算机系 Research Fellow

2005.06-今 湖南大学机械与运载工程学院、汽车车身先进设计制造国家重点实验室 教授、博士生导师

2009.11-今 湖南大学机械与运载工程学院车辆工程系 主任教授、博士生导师

2009.11-今 湖南大学机械与运载工程学院 副院长 教授、博士生导师

主要兼职

国际学术杂志Journal of the Franklin Institute

编委

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副主任设计师

湖南省力学学会第六届理事会

理事

目前主持的主要科研项目

近年主持了国家自然科学基金项目、国家“863计划”、专题项目、国家探月工程重大专项子项目等。主持研究的月球车于2009年10月受邀参加了“辉煌六十年---中华人民共和国成立60周年成就展”。

近期主要论文

1. GuiLin Wen, "Criterion to identify Hopf bifurcation in maps of arbitrary dimension," Physical Review E, vol. 72 (2), pp. 026201- 4, 2005.
2. GuiLin Wen, "Codimension two Hopf bifurcation a two-degree-of-freedom vibro-impact system," Journal of Sound and Vibration, Vol. 242(3), pp. 475-485, 2001.
3. GuiLin Wen, Shijian Chen, Qiutan Jin, "A new criterion of period-doubling bifurcation in maps and its application to an inertial impact shaker," accepted by Journal of Sound and Vibration, August, 2007.
4. GuiLin Wen, Qing-Guo Wang, Chong Lin, Xu Han, and Guangyao Li, "Synthesis for robust synchronization of chaotic systems under output feedback control with multiple random delays," Chaos, Solitons and Fractals, Vol. 29(5), pp. 1142-1146, 2006.
5. GuiLin Wen and Daolin Xu, Observer-based control for full-state projective synchronization of a general class of chaotic maps in any dimension, Physics Letters A, Vol. 333(5-6), pp. 420-425, 2004.
6. Guilin Wen, Qing-Guo Wang, Yong He, and Zhen Ye, "Multivariable PD controller design for fast chaos synchronization of Lur'e systems," Physics Letters A, Vol. 363(3), pp. 192-196, 2007.
7. GuiLin Wen and Daolin Xu, "Nonlinear observer control for full-state projective synchronization in chaotic continuous-time systems," Chaos, Solitons and Fractals, Vol. 26, pp. 71-77, 2005.

热点导航

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8. GuiLin Wen, Qing-Guo Wang, Chong Lin, Xu Han, and Guangyao Li, "Chaos synchronization via multivariable PID control," International Journal of Bifurcation and Chaos, Vol. 26, pp. Vol. 17(5), 1753-1758, 2007.
9. GuiLin Wen and Daolin Xu, "Control algorithm for creation of Hopf bifurcations in continuous-time systems of arbitrary dimension," Physics Letters A, Vol. 337 (1-2), pp. 93-100, 2005.
10. GuiLin Wen and Daolin Xu, "Implicit criteria of eigenvalue assignment and transversality for bifurcation control in four-dimensional maps," International Journal of Bifurcation and Chaos, Vol. 14 (10), pp. 3489-3503, 2004.
11. GuiLin Wen and Daolin Xu, "Feedback control of Hopf-Hopf interaction bifurcation with development of torus solutions in high-dimensional maps," Physics Letters A, Vol. 321(1), pp. 24-33, 2004.
12. GuiLin Wen, Qing-Guo Wang, and Min-Sen Chiu, "Delay feedback control for interaction of Hopf and period doubling bifurcations in discrete-time systems," International Journal of Bifurcation and Chaos, Vol. 16(1), pp.101-112, 2006.
13. GuiLin Wen, Daolin Xu, and Jian-Hua Xie, "Control of degenerate Hopf bifurcations in three-dimensional maps," Chaos, Vol. 13(2), pp. 486-494, 2003.
14. GuiLin Wen and Daolin Xu, "Designing Hopf bifurcations of nonlinear discrete-time systems via feedback control," International Journal of Bifurcation and Chaos, Vol. 14(7), pp. 2283-2293, 2004.
15. GuiLin Wen, Daolin Xu, and Xu Han, "On creation of Hopf bifurcations in discrete-time nonlinear systems," Chaos, Vol. 12(2), pp. 350-355, 2002.
16. GuiLin Wen, Daolin Xu, and Jian-Hua Xie, "Controlling Hopf bifurcations of discrete-time systems in resonance," Chaos, Solitons and Fractals, Vol. 23(5), pp. 1865-1877, 2004.
17. GuiLin Wen, Jina-Hua Xie, and Daolin Xu, "Onset of degenerate Hopf bifurcation of a vibro-impact oscillator," ASME Trans. Journal of Applied Mechanics, Vol. 71, pp. 579-581, 2004.
18. GuiLin Wen and Jian-Hua Xie, "Period-doubling bifurcation and non-typical routes to chaos of a two-degree-of-freedom vibro-impact system," ASME Trans. Journal of Applied Mechanics, Vol. 68(4), pp. 670-674, 2001.
19. GuiLin Wen, QingGuo Wang, and Tong Heng Lee, "Quasi-period oscillations of relay feedback systems," Chaos, Solitons and Fractals, Vol. 34, pp. 405-411, 2007.
20. Yong He, GuiLin Wen, and Qing-Guo Wang, "Delay-dependent synchronization criterion for lur'e systems with delay feedback control," International Journal of Bifurcation and Chaos, Vol. 16(10), pp. 3087 – 3091, 2006.
21. Chong Lin, Qing-Guo Wang, He Yong, GuiLin Wen, Xu Han, Guangyao Li, and Zhi-Hua Zhong, "On stabilizing PI controller ranges for multivariable systems," Chaos, Solitons and Fractals, in press, available online 11 July 2006.
22. Qing-Guo Wang, Chong Lin, Zhen Ye, GuiLin Wen, Yong He, and Chang Chieh Hang, "A quasi-LMI approach to computing stabilizing parameter ranges of multi-loop PID controllers," Journal of Process Control, Vol. 17(1), pp. 59-72, 2007.
23. Daolin Xu, Fook Fah Yap, Xu Han, and Guilin Wen, "Identification of spring-force factors of suspension systems using progressive neural network on a validated computer model," Inverse Problems in Engineering, Vol. 11(1), pp. 55-74, 2003.
24. Daolin Xu, FangFang Lu, and GuiLin Wen, "Tracing initial conditions, historical evolutionary path and parameters of chaotic processes from a short segment of scalar time series," Chaos, Solitons and Fractals, Vol. 24(1), pp. 265-271, 2005.

获奖情况

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2. 通用汽车中国高校汽车领域创新人才奖二等奖
3. 入选教育部"新世纪优秀人才支持计划"

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