

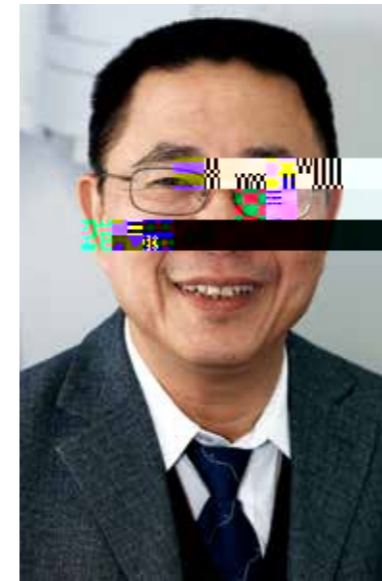
Cheng Daizhan, Academy of Mathematics and Systems Science, Chinese Academy of Sciences

logical dynamic systems (LDSs) exist widely in the nature. But the short of efficient

scientific problems: (i) how to analyze the dynamic behavior of logical networks? (ii) how to design efficient control for logical networks? As a result, he has established the control

applied to the theoretical investigations in many fields. Furthermore, it has also been used

world development by Chinese scientist. It has significant importance.

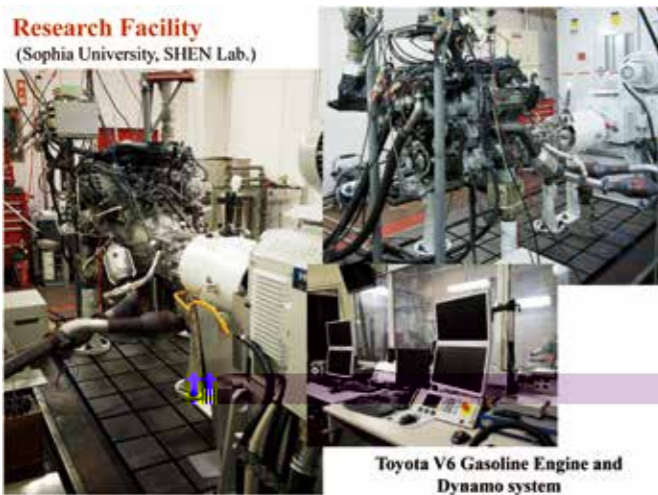


Cheng Daizhan

主要科技贡献:



Tsinghua University have applied the STP technique



6% 3.57%  
At the Advance Powertrain Control Laboratory of Sophia University in Japan, Professor Tielong Shen's group has used the algebraic state space approach of simulation shows that the new method can reduce 6%

稳定性与鲁棒性 Stability & Robustness	混沌 (子空间) 理论与控制 Chaos & Properties of State Space
Cheng, D. Q. <i>Automatica</i> , 2009, 45(7), 1471-1476 (Regular Paper)	Cheng, D. Q. <i>Automatica</i> , 2009, 45(7), 1471-1476 (Regular Paper)
网络辨识 Network Identification	干扰抑制 Disturbance Rejection
Cheng, D. Q., & Li, H. <i>IEEE Trans. Automat. Contr.</i> , 2011, 56(1), 100-105 (Regular Paper)	Cheng, D. Q., & Li, H. <i>IEEE Trans. Automat. Contr.</i> , 2011, 56(1), 100-105 (Regular Paper)
稳定与控制 Stability & Control	最优控制 Optimal Control
Cheng, D. Q., & Li, H. <i>IEEE Trans. Automat. Contr.</i> , 2011, 56(1), 100-105 (Regular Paper)	Cheng, D. Q., & Li, H. <i>IEEE Trans. Automat. Contr.</i> , 2011, 56(1), 100-105 (Regular Paper)

... 2008  
completed by Daizhan Cheng and his students Yiguang Hong, Zairong Xi, Yuzhen Wang received the second grade of National Natural Science Award of China in 2008

Control Theory of Logical Dynamic Systems



... 2014  
received the second grade of National Natural Science Award of China again in 2014

Other Applications



2011 (946)  
4hp: T gVT 2008-2010 /

one completed by Chinese scholars so far



(888) ... 2006

(946) ... 2008