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structure. Robust chattering free backstepping/backstepping sliding ... Robust Chattering Free Backstepping Sliding Mode Control Strategy for Autonomous Quadrotor Helicopter Mohd Ariffanan Mohd Basri, Abdul Rashid Husain, Kumeresan A. Danapalasingam Department of Control & Mechatronics Engineering, Faculty of Electrical Engineering, Universiti Teknologi Malaysia, 81310 Skudai, Johor, Malaysia. Robust Chattering Free Backstepping Sliding Mode Control ... In this paper a robust chattering free

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robust backstepping-based controller that induces integral sliding modes is proposed for the Newton-Euler underactuated dynamic model of a quadrotor subject to smooth bounded disturbances, ... Robust Backstepping Control Based on Integral Sliding ... Design of Robust Chattering free Integral Sliding Mode Controller for Dual Input Buck Boost Converter Lisy E.R.¹, M. Nandakumar², Anasraj R.³ and Ramesh Kumar P.⁴ ¹Assistant Professor, ²Professor, ³Associate Professor, ⁴Assistant Professor, ^{1,2,3,4} Electrical Engineering Department, Govt. Engineering College -Calicut University, Thrissur ... Design of Robust Chattering free Integral Sliding Mode ... chattering of the exponential sliding-mode control ... al. [20] proposed two model-free wheel

slip control-ler on the basis of fuzzy logic control approach and ... value. Then, a new robust backstepping sliding mode controller (RBSMC) with L 2-gain performance for Robust Backstepping Sliding Mode Control with L -Gain ... In this paper, the chattering free full-order sliding-mode control has been proposed. The main contributions can be summarized as follows: (1) the singularity problem in TSM systems has been avoided by preventing differentiating terms with fractional power in sliding-mode manifold from deriving the control laws. Chattering free full-order sliding-mode control ... In this paper, a robust and chattering-free sliding-mode control strategy using recurrent neural networks (RNNs) and H_∞ approach for a class of nonlinear

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