Quarterly, since 1995

www. hitech863. com

## Contents

117 Trajectory tracking control of the bionic joint of the musculoskeletal leg mechanism

Lei Jingtao (雷静桃), Zhu Jianmin, Wu Jiandong

125 Robust adaptive beamforming for constant modulus signal of interest

Xu Yougen (徐友根), Yin Bingjie, Liu Zhiwen

131 A novel symmetrical 3-DOF PKM and its performance comparison with 3-PRS PKM

Liu Yuzhe (刘宇哲), Wu Jun, Wang Liping, Zhao Jingshan,

Wang Jinsong, Yu Guang

141 A transition method based on Bezier curve for

trajectory planning in cartesian space

Zhang Shaolin (张少林), Jing Fengshui, Wang Shuo

149 Maneuvering target tracking algorithm based

on CDKF in observation bootstrapping strategy

Hu Zhentao (胡振涛), Zhang Jin, Fu Chunling, Li Xian

156 A study on IP-based hierarchical routing strategy

in network simulation

Yan Jianen (闫健恩), Zhang Zhaoxin, Shen Yinghong

165 Altitude information fusion method and

experiment for UAV

Xu Dongfu (徐东甫), Pei Xinbiao, Bai Yue, Peng Cheng,

Wu Ziyi, Xu Zhijun

173 Closed-form interference alignment with heterogeneous degrees of freedom

Yang Xiumei (杨秀梅), Wang Jiang, Wang Rui, Zhou Ting

179 Similarity measurement method of high-dimensional data based on normalized net lattice subspace

Li Wenfa (李文法), Wang Gongming, Li Ke, Huang Su

185 A case study of 3D RTM-TTI algorithm on multicore and many-core platforms

Zhang Xiuxia (张秀霞), Tan Guangming, Chen Mingyu,

191 Negation scope detection with a conditional random field model

Lydia Lazib, Zhao Yanyan, Qin Bing, Liu Ting

Yao Erlin

198 Mining potential social relationship with active learning in LBSN

Wang Haiping (王海平), Zhang Hong, Wang Yong, Bing Jia

203 Research on adaptive anti-rollover control of kiloton bridge transporting and laying vehicles

Guo Rui(郭 锐), Shi Yu, Wang Chao, Tian Yaya, Zhao Jingyi

212 A real-time 5/3 lifting wavelet HD-video de-noising system based on FPGA

Huang Qiaojie (黄巧洁), Liu Jiancheng

221 Semantic image annotation based on GMM and

random walk model

Tian Dongping (田东平)