## Contents

**International Journal of Applied Physics and Mathematics**

**Volume 9, Number 4, October 2019**

**Intersection Line of Conical Surfaces and Its Application in the Blending of Tubes with Non-coplanar Axes**
Gen-Zhu Bai, Zhi Wu

**Research on Function Addition Decomposition and Function Moments**
Xueshang Nai, Yumin Tian, Xingyang Xu

**Semiparametric Bayesian Estimation of Bernoulli Model with Measurement Error**
Dewang Li, Meilan Qiu, Yuanying Zhao

**Deterministic-Embedded Monte Carlo Approach to Find out an Objective Item in a Large Number of Data Sets**
Xingbo Wang, Jianxiang Guo

**Commom Solutions for a Class of Simultaneous Pell Equations**
Ran Yinxia

**Multi-scale Oscillation Modes and Secular Trend Analysis of Astronomical Historic Archives**
Yongyan Zuo, Yunfang Cai, Yuanyong Liu, Xinan Tian, Jianmei An

**Mathematical Simulation on Solid Flow in COREX Melter Gasifier Using Discrete Element Method**
Han Lihao, Li Yuehua, Liu Yanxia, Huang Weiqing, Qi Suci, Guan Xin