# 2022年度安徽省自然科学奖提名项目公示

**一、项目名称：**几类随机过程的极限性质及渐近性分析

**二、提名者：**巢湖学院

三、**主要发明论文**

1、Peng Weicai, et al, 2015. Strong law of large numbers for Markov chains indexed by spherically symmetric trees. *Probability in the Engineering and Informational Sciences*, *29*(3), pp.473-481.

2、Peng, W. and Xi, X., 2021. Shannon-McMillan theorem and strong law of large numbers for Markov chains indexed by generalized spherically symmetric trees. *Communications in Statistics-Theory and Methods*, pp.1-12.

3、Peng, W., 2017. Conditional entropy, entropy density, and strong law of large numbers for generalized controlled tree-indexed Markov chains. *Communications in Statistics-Theory and Methods*, *46*(23), pp.11880-11891.

4、Tang, Xufei et al, 2020. The Berry-Esseen bound of a wavelet estimator in non-randomly designed nonparametric regression model based on ANA errors. *ESAIM: Probability and Statistics*, *24*, pp.21-38.

5、Tang, Xufei et al, 2019. Exponential inequalities under sub-linear expectations with applications to strong几类随机过程的极限性质及渐近性分析 law of large numbers. *Filomat*, *33*(10), pp.2951-2961.

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2022年9月28日