

# 講演会のお知らせ

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日時： 7月 17日 (水) 16:00 ~

場所：金研2号館5階セミナー室

“ Investigation of Charge Stripe  
Formation in an Extended t-J model”

## 概要

A possible mechanism of the charge stripes in the high-temperature cuprate superconductors is proposed based on the correction terms in two-dimensional t-J model; the next-nearest-neighbor[1] and/or four-spin (ring) exchange interactions. The many-hole correlation functions obtained by numerical exact diagonalization of finite-cluster t-J model including the correction terms indicate the realization of the mechanism and give some preliminary phase diagrams.

[1]T. Sakai: Phys. Rev. B 63 (2001) 140509(R)

連絡先：

金属材料研究所

前川 禎通 (内2005)