

上智大学数学談話会のお知らせ

日時： 2014年7月25日（金曜）17:00-18:00

場所： 市ヶ谷本館201室

講演者： 後藤 聡史氏 (上智大学)

講演題目： Classification of quantum subgroups of quantum $SU(2)$
— from the viewpoint of subfactor theory

アブストラクト：

Ocneanu classified all irreducible connections on the ADE Dynkin diagrams. This classification can be regarded as the classification of quantum subgroups of quantum $SU(2)$ (from the viewpoint of subfactor theory).

In this talk I will first give a quick and short introduction to basic subfactor theory and Ocneanu's paragroup theory.

Then I will explain how Ocneanu's classification can be viewed as the classification of quantum subgroups of quantum $SU(2)$.

Finally (if time allows), I would like to show some applications of his classification result.