上智大学数学談話会のお知らせ

日時： ２０１４年１２月１１日（木曜）17:00-18:00
場所： 市ヶ谷本館２０１室

講演者：Jose Ernie C. Lope 氏
(University of the Phillippines Diliman, 上智大学)

講演題目：Holomorphic solutions of a system of equations related to Ricci-flat Khler metrics

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アブストラクト ： We prove the unique solvability of a system of partial differential equations which is a generalization of the system of equations considered by Bielawski in his study of Ricci-flat Khler metrics. The system involves a nonlinear singular equation that is very similar to the one studied by Grard and Tahara in the 1990s. The proof makes use of a family of majorant functions based on the ones used in the papers of Lope-Tahara and Pongrard. We then extend our results to equations of higher order.