

第04回

- 講演者: 中西 靖忠 氏 (岐阜経済大学経済学部)
 - 題目: Nambu-Poisson Cohomology
 - 日時: 平成 15年 7月 8日(火) 15:00 ~ 16:00
 - 場所: 数学科セミナー室 4号館 3階

Let $((M, \eta))$ be an m -dimensional Nambu-Poisson manifold. We are interested in a Nambu-Poisson tensor η whose order is smaller than m and which has singularity at the origin. Then we compute Nambu-Poisson cohomology with respect to such a tensor η . More precisely, we compute Nambu-Poisson cohomology in case of $((\mathbb{R}^4, \eta))$, where η is a Nambu-Poisson tensor of order 3 with singularity at the origin. In particular, if η is exact, we know that Nambu-Poisson cohomology coincides with *relative cohomology*, which has studied by B. Malgrange et al. [6]

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