

# 鹿児島大学数理情報科学談話会

## 第 2 2 5 回

日時：2017年8月3日（木）16:30 - 17:30

場所：理学部 2 号館 404 室

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題目：The moduli space of marked singularities

### Abstract:

The moduli space of marked singularities parameterizes mu-homotopic isolated hypersurface singularities equipped with certain markings.

This moduli space can be understood either as a global mu-constant stratum or as a Teichmüller space of singularities. The additional marking allows one to formulate the conjecture on the analytic behavior of singularities within a distinguished mu-homotopy class in terms of a Torelli type problem in an efficient way. In my talk I will discuss the history of this problem and introduce carefully the notion of a marked singularity.