

第13回

- 講演者: **Malte Wandel** 氏 (京都大学数理解析研究所)
 - 題目 Induced automorphisms on hyperkaehler manifolds
 - 日時: 平成26年12月8日 (月) 16:30~17:30

In this talk I want to report on a joint project with Giovanni Mongardi (Milano). We study automorphisms of hyperkaehler manifolds. All known deformation classes of these manifolds contain moduli spaces of stable sheaves on surfaces. If the underlying surface admits a non-trivial automorphism, it is often possible to transfer this automorphism to a moduli space of sheaves. In this way we obtain a big class of interesting examples of automorphisms of hyperkaehler manifolds. I will present a criterion to 'detect' automorphisms in this class and discuss several applications for the classification of automorphisms of manifolds of $(K3^n)$ - and kummer (n) -type. If time permits I will try to talk about generalisations to O'Grady's sporadic examples.



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23 images

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