



THE HONG KONG UNIVERSITY OF SCIENCE & TECHNOLOGY

Department of Mathematics

SEMINAR ON PURE MATHEMATICS

**The global sections of chiral de Rham complexes on
compact hyperKähler manifolds**

By

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Abstract

The chiral de Rham complex is a sheaf of vertex algebra on a complex manifold. I will talk about the space of the global sections of this sheaf on compact hyperKähler manifolds. It is isomorphic to the invariant subspace of a beta gamma-bc system under the action of certain Lie algebra of Cartan type.

Date : 15 January, 2020 (Wednesday)
Time : 4:00pm – 5:00pm
**Venue : Room 4502, Academic Building
(Lifts 25-26), HKUST**

All are Welcome!