The Hong Kong University of Science & Technology

Department of Mathematics

PhD Student Seminar

Some examples of Howe duality and applications

by

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Abstract

Howe duality is an important topic in representation theory. We review the Howe dual pair $(\mathrm{O}(m), sp(k))$ in classical analysis, $(Spin(m), osp(1,2))$ in Clifford analysis and $(O(m), sl(2,1))$ in Hodge systems. We also introduce some applications of these Howe dual pairs.

Date: Monday, 6 May 2019

Time: 11:00 a.m. - 12:00 p.m.

Venue: CYTG001, CYT Building (near Lifts 35-36), HKUST

All are welcome!