

CURVED \mathcal{O} -OPERATOR SYSTEMS

ABDENACER MAKHLOUF

In this talk, we discuss the notion of curved \mathcal{O} -operator systems and then investigate the relations among \mathcal{O} -operator systems, (tri)dendriform systems, pre-Lie algebras, associative Yang-Baxter pairs and quasitriangular covariant bialgebras.

This is a joint work with Tianshui Ma and Sergei Silvestrov.

UNIVERSITÉ DE HAUTE ALSACE, DÉPARTEMENT DE MATHÉMATIQUES-IRIMAS MULHOUSE, FRANCE
Email address: `abdenacer.makhlouf@uha.fr`