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Talk: Discrete surfaces and integrability

Tuesday 7 February 2023 16:10 (55 minutes)

We consider relations between discrete surfaces and integrability. More specifically, we consider discretizations of conjugate nets. We introduce a set of projective invariants together with a Poisson structure. This Poisson structure turns out to be invariant under discrete dynamics. In the case of biperiodic nets and circular nets we show the existence of commuting Hamiltonians.

Presenter: Dr AFFOLTER, Niklas (TU Berlin)