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Poisson Surfaces and Integrable Systems

There is a remarkably simple classification of complex Poisson surfaces. What is more surprising is they seem to have a link to the commonly studied algebraically integrable systems, at least when the level sets of the Hamiltonians are Jacobians of curves. Until recently, there was, however, one class of surfaces that had no known corresponding integrable system. This is no longer the case. Joint with Indranil Biswas.