Towards Agnes' symmetric Hermite interpolation

Teresa Krick

University of Buenos Aires & CONICET, Argentina

krick@dm.uba.ar

I will describe an ongoing project started some years ago with Agnes, after she accidentally rediscovered Lagrange interpolation for multivariate symmetric polynomials when working together on univariate subresultants. I will present some of the preliminary results obtained towards the extension of this theory to symmetric Hermite interpolation, which corresponds to the case when there are nodes coalescences.

Joint work with Agnes Szanto.