

Families of symmetric and skew-symmetric matrices and vector bundles

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I will report on joint work with A. Boralevi and M.L. Fania, about linear spaces and quadric surfaces contained in the Pfaffian hypersurface in $\mathbf{P}^{14}$. I will then explain the connections with congruences of lines in the 5-dimensional projective space and with vector bundles.