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Polarizations of Real Hypersurfaces in \mathbb{C}^n .

Segre varieties and their intersections, known as polarizations, are particular biholomorphic invariants attached to real-analytic hypersurfaces in \mathbb{C}^n . These invariants are studied and used to construct a family of real hypersurfaces in n -dimensional complex space that have a large family of analytic sets with nontrivial polarizations. A result that effectively classifies all hypersurfaces with such family of analytic sets and their polarizations is proven. (Received September 01, 2012)