

SEMINARIO DE MATEMÁTICAS

Departamento Académico de Matemáticas del Itam

On Polynomial Bases Theory in the Context of Clifford Analysis and its Applications

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Abstract. This talk focuses on the expansion of Clifford-valued functions into bases of special monogenic polynomials. In this sense, selected research work is embedded in the main stream of classical complex analysis, which was originally founded by J.M. Whittaker and B. Cannon. A recent research domain is broadened by studying the problem of bases of polynomials in the context of special classes of functions in Clifford analysis. All familiar sets of complex polynomials e.g. those of Legendre, Laguerre, Hermite, Bernoulli form simple bases. In this talk, we introduce applications to important special functions related to Bernoulli and Bessel Polynomials in the Clifford analysis setting.

MIÉRCOLES 11 DE SEPTIEMBRE DE 2019, 16:30 HRS.
SALÓN LI-2, CAMPUS RÍO HONDO

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