

VIRTUAL EAST-WEST SCV SEMINAR

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BERNSTEIN SPACES ON QUADRATIC CR MANIFOLDS

The classical Bernstein B_τ^p (or Paley Wiener) spaces are the spaces of entire functions of exponential type τ whose restriction to the real line are p -integrable. In this talk we describe some recent results extending this classical theory to several complex variables. The only case that has been studied was the case of entire functions of exponential type in \mathbb{C}^d whose restriction to \mathbb{R}^d is p -integrable. In recent studies we consider the case of restriction of entire functions of exponential type to quadratic CR manifolds. This talk is based on joint work with Mattia Calzi.
