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HIGH DIMENSIONAL INTERPOLATION

I am going to discuss the interpolation problem of discrete functions by analytic ones with given spectrum. I'll survey some classical results and focus on high dimensional phenomena. The talk is based on joint results with A. Ulanovskii, see [1, 2].

References

- [1] A.Olevskii, A.Ulanovskii, *On Ingham-type interpolation in R^n* , C.R.Math.Acad.Sci.Paris. **348** (2010), 807–810.
- [2] A.Olevskii, A.Ulanovskii, *On Beurling's sampling theorem in R^n* . ArXiv 1106.0576v1, June 2011.