Interpolating sequences in the ball of $\mathbb{C}^n$.

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1 Hardy classes of the unit ball.

We shall define the Hardy classes H^p of the unit ball $\mathbb{B}$ of $\mathbb{C}^n$ and the interpolating sequences for these classes.

2 Reproducing kernels.

To a point $a \in \mathbb{B}$ we associate its reproducing kernel for holomorphic functions in $\mathbb{B}$.

We show the link between the extension property of interpolating sequence and the fact for the associated normalized kernels to make a Riesz basis.

3 The unit disc in $\mathbb{C}$.

We recall and reprove the by now classical results in the one variable case essentially proved by L. Carleson.

4 The linear extension property.

We define and discuss the linear extension property, i.e. the fact that given a sequence of values v there is a bounded linear operator E such that Ev is a holomorphic function with the property that $Ev_{|S} = v$, where S is our interpolating sequence.

5 The unit ball in $\mathbb{C}^n$.

We give results and proofs of what happen in several variables, essentially using the $\bar\partial$ method with bounds.

6 The method of analytic discs.

We define the method of the analytic discs and give new results about it.