

Riesz bases of reproducing kernels in Fock type spaces

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Let $\phi(z) = \phi(|z|)$ be a radial subharmonic function in the complex plane \mathbb{C} , $\phi(t) \rightarrow +\infty$ as $t \rightarrow +\infty$.

By a Fock-type space we mean the spaces

$$\mathcal{F}_\phi = \left\{ f \in \text{Hol}(\mathbb{C}) ; \int_{\mathbb{C}} |f|^2 e^{-2\phi} dm < \infty \right\},$$

here m stands for the plane Lebesgue measure.

We study the problem of existing of unconditional basis from reproducing kernels in the Fock-type spaces.

This is a joint work with Alexander Borichev (*University of Marseille*).