



Donnerstag, den 22. Oktober 2026, um 14:30 Uhr, im Hörsaal 2

Priv.-Doz. Dr. Mario Ullrich*

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***Constructive near-optimal sampling
in reproducing kernel Hilbert spaces***

Zusammenfassung/Abstract:

I consider the approximation of functions based on function evaluations and discuss the optimality of least-squares approximation in a worst-case setting. In addition, I present a novel semi-constructive algorithm to generate near-optimal sampling points, which is based on a generalization of the famous sparsification technique of Batson-Spielman-Srivastava to an infinite-dimensional setting. I conclude with some pictures of point sets.

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