

Introduction to Reproducing Kernel Hilbert Spaces and a Few Applications

Joel Rosenfeld

Abstract:

I will talk about reproducing kernel hilbert spaces (RKHS). I will include examples of RKHSs in Operator theory and also for applications. The discussion will include the Representer Theorem and their use as function approximators.

A little background in Hilbert Space theory would be helpful, but I will try to make this as broad as possible.