## Variation Diminishing Convolution Kernels Associated with Dunkl operator

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## Abstract

Harmonic analysis associated with the Dunkl operator in one dimension was developed by many authors. Here we use these results to prove theorems analogous to those Schoenberg [9], and I.I. Hirschman [5] on variation diminishing convolution kernels. We give necessary and sufficient conditions such that an integrable function \$\Phi\$ is a variation diminishing convolution kernel.

## Hosted file

DUNKL.pdf available at https://authorea.com/users/374519/articles/492057-variation-diminishing-convolution-kernels-associated-with-dunkl-operator

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