

# ON KERNELS FOR VILENKIN-LIKE SYSTEMS

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The Fourier analysis uses the calculations with the kernel functions from the beginnings. The maximal values of the  $n$ -th Dirichlet and Fejér kernels for Walsh-Paley, Vilenkin and some other systems are  $n$  and  $\frac{n-1}{2}$ , respectively.

We deal with some more general systems and from the results we work out methods to assign the properties of concrete systems. In these cases the maximal values of kernels can be different.

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