

1113-41-108

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*Approximation of Data by Sinc function and application to designing of correlation filter.*

Data can be approximated by polynomials, entire functions, splines, wavelets and regression functions. The main aim of this talk is to look at certain data that can be best recognised by using correlation filters. We shall discuss the approximation properties for Sinc function and show through numerical evidence how sinc function serves well in our case. The work is still at its developmental phase. We will discuss the problems that have not been resolved also. (Received August 17, 2015)