

1145-VN-475      **Hossein Behforooz\*** (hbehforooz@utica.edu). *New Methods on Approximation by Spline Functions.*

Recently I have edited a math book together with few articles on Approximation by Integro Spline Functions. For the first time in the history of the study of spline function, I have introduced few brand new types of spline functions and I have called them Integro Splines and Differentio Splines. In this short presentation I will review the progress of these types of spline functions from beginning all the way up to now. We will compare traditional splines with these new splines and present some numerical results and graphs. Keywords: Differentio Splines, Integro Splines, End conditions. (Received September 07, 2018)