## Weighted polynomial approximation on $(0,+\infty)$ by de La Vallée Poussin means

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The talk deals with the construction of certain de la Vallèe Poussin type means on  $(0, +\infty)$ , obtained as the discretization of delayed arithmetic means of Fourier partial sums. We prove that in suitable weighted spaces of functions the norms of such operators are bounded. A comparison with Lagrange interpolating polynomial sequence is shown. Some numerical tests are proposed to confirm the theoretical results.