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Title: On approximation properties of bi-parametric parabolic type potentials

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In this paper we investigate the approximation properties of bi-parametric parabolic potentials type operators $A_\beta^\alpha f$ and $\mathcal{A}_\beta^\alpha f$ as the parameter $\alpha > 0$ tends to zero. For $\beta = 2$ these potentials coincide with the classical Jones-Sampson type parabolic potentials $H^\alpha f$ and $\mathcal{H}^\alpha f$, respectively.

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