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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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