

# REPRODUCING PROPERTY FOR INTERPOLATIONAL PATH OF OPERATOR MEANS

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ABSTRACT. We show that the solution of the 2-variable Karcher equation for the derivative solidarity coincides with the original interpolational path of operator means, where the derivative solidarity for an interpolational path of operator means  $A m_t B$  is defined as  $A \mathbf{s}_m B = \left. \frac{\partial A m_t B}{\partial t} \right|_{t=0}$ .