

# Pointwise convergence along a tangential curve for the fractional Schrödinger equation with $0 < m < 1$

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## Abstract

In this article, we study the pointwise convergence problem about solution to the fractional Schrödinger equation with  $0 < m < 1$  along the tangential curve and estimate the capacitary dimension of the divergence set. We extend the results of Cho and Shiraki in [8] for the case  $m > 1$  to the case  $0 < m < 1$ , which is sharp up to the endpoint.

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