## An inverse source problem for a two dimensional time fractional diffusion equation with involution

Batirkhan Turmetov<sup>1</sup> and B. J. Kadirkulov<sup>2</sup>

June 13, 2021

## Abstract

In this paper, we consider a two-dimensional generalization of the parabolic equation. Using the Fourier method, we study the solvability of the inverse problem with the Dirichlet condition and periodic conditions.

## Hosted file

<sup>&</sup>lt;sup>1</sup>Khoja Akhmet Yassawi International Kazakh-Turkish University

<sup>&</sup>lt;sup>2</sup>Tashkent State Institute of Oriental Studies