



**ON THE INVERSE PROBLEM OF SCATTERING
THEORY FOR THE PERTURBED STARKS
EQUATION ON A SEMIAXIS**

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Abstract

In the present work, we solve the direct and converse problems for excited Stark operator, i.e., are found the necessary and sufficient conditions on the set quantities which are the dates of dispersion of given operator, after of the sufficient of these conditions are proven.

Keywords and phrases: Starks equation, scattering theory, inverse problem.

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