

# Non-Self-Adjoint Jacobi Matrices with Rank one Imaginary Part

Y. Arlinskii<sup>∨</sup>  
joint work with E. Tsekanovskii<sup>∨</sup>

We study the spectral problems for finite and semi-finite Jacobi matrices with rank one imaginary part. The non-self-adjoint analogs of the Stone, Hochstadt, and Gesztesy-Simon theorems are established.