

1116-47-1225 **Ilya M Spitkovsky*** (imspitkovsky@gmail.com). *On Toeplitz operators with matrix almost periodic symbols.*

Toeplitz operators are invertible if and only if their symbols are canonically factorable. In its turn, factorability criteria are well known for continuous or piecewise continuous symbols, in which case they are similar in scalar and matrix settings. Scalar almost periodic symbols, modulo natural adjustments, behave as their continuous counterpart. The situation changes dramatically when passing to matrix almost periodic symbols, for which the factorability criterion is still unknown. We will discuss some particular cases settled by now, including those arising from convolution type equations on finite intervals. (Received September 18, 2015)