

1145-39-1544 **Alexander Y Gordon*** (aygordon@uncc.edu). *Two delocalization results for quasi-periodic Schrödinger operators.*

It has been known since 1970's that one-dimensional discrete quasi-periodic Schrödinger operators with Liouville frequencies don't have eigenvalues. The question whether this result could be extended to a multidimensional setting remained open since then. Recently, an affirmative answer was obtained (joint work with Arkadi Nemirovski). Another result extends the old statement (in a slightly and inevitably weakened form) in a different direction: to the case, where the sampling function on the torus (which, together with the vector of frequencies and a point of the torus, defines the potential) is only required to be measurable. (Received September 23, 2018)