1108-47-281   **Chris Marx*** (`cmarx@oberlin.eud`), Oberlin College, Department of Mathematics, 10 N. Professor St/King 205, Oberlin, OH 44074. *Subcritical behavior for quasi-periodic Schrödinger operators with trigonometric polynomials.*

We give a criterion implying subcritical behavior for quasi-periodic Schrödinger operators where the potential sampling function is given by a trigonometric polynomial. Subcritical behavior, in the sense of Avila's global theory, is known to imply purely absolutely continuous spectrum for all irrational frequencies and all phases. The work is joint with Laura Shou and Jake Wellens. (Received January 16, 2015)