

1065-81-186

George Androulakis* (giorgis@math.sc.edu), Columbia, SC 29208, and **Jean Bellissard** and **Christian Sadel**. *A model for Mott hopping conductivity*. Preliminary report.

We introduce a dissipative quantum model describing Mott's hopping conductivity in highly doped semiconductors. This is a joint work with Christian Sadel and Jean Bellissard. (Received September 13, 2010)