1056-41-906   **Kasso A Okoudjou*** (`kasso@math.umd.edu`), Department of Mathematics, University of
Maryland, College Park, MD 20742. *Gabor frames and Strichartz estimates.* Preliminary report.

We use the characterization of functions in the modulation spaces by means of Gabor frames to prove new Strichartz estimates for the Schrödinger equation on these spaces. As a consequence of our results, we obtain establish some local wellposdeness for nonlinear Schrödinger equations with initial data in the modulation spaces. (Received September 18, 2009)