1051-35-235　　　　　**Aynur Bulut*** (`abulut@math.utexas.edu`), University of Texas at Austin, Department of Mathematics, 1 University Station, C1200, Austin, TX 78712-0257. *Existence of Maximizers for the Wave Strichartz Inequalities.*

In this talk, we will discuss the existence of maximizers for Strichartz inequalities for the wave equation. Inspired by the corresponding work of Shao in the context of the Schrödinger equation, the main tool that we use is an extension of the linear profile decomposition result of Bahouri and Gerard to higher dimensions. (Received August 25, 2009)