1019-35-152   **Alfonso Castro*** (`castro@math.hmc.edu`), Department of Mathematics, Harvey Mudd College, Claremont, CA. *A semilinear wave equations without resonance.*

A review on the existence of solutions for a semilinear wave equation without resonance will be presented including unpublished recent results by the author and Jose F. Caicedo on nonexistence of continuous solutions when the nonlinearity is non-monotone. (Received August 14, 2006)