

Meeting: 998, Houston, Texas, SS 4A, Special Session on Nonlinear Analysis

998-35-361 **Alfonso Castro*** (castro@math.hmc.edu), Department of Mathematics, Harvey Mudd College,
Claremont, CA 91711. *Nonradial solutions to superlinear elliptic equations*. Preliminary report.

Recent developments on the existence of nonradial solutions to problems with radial symmetries are discussed. Emphasis is placed on the role of the asymptotic expansion of the critical levels for symmetric problems. (Received March 02, 2004)