

ANALYSIS SEMINAR

**Some results on the nonlinear logarithmic
Schrodinger equations****Chao Ji**

Esa China University of Science and Technology

Date: February 25, 2022

Time: 10:10 am

Acesso à sala virtual: VooV meeting

Id: 6404946232, Password: 429360

Abstract. In this talk, we are concerned with the nonlinear logarithmic Schrodinger equations. When the potential satisfies a global assumption, we give the multiple solutions. When the potential satisfies a local assumption, due to del Pino and Felmer, we consider the existence and concentration of positive solutions. Then, based on some new estimates from previous research, the multi-bump solutions are obtained for a logarithmic Schrodinger equation with deepening potential well. This talk is based on joint works with Professor Claudianor O. Alves.