

## **"An overview of character degree graphs of finite groups"**

di Mark L. Lewis.

### Abstract

We will show how to associate graphs with the set of character degrees of a finite group. Two obvious questions to ask are (1) what graphs arise this way and (2) if the graph  $\Gamma$  is associated to the group  $G$ , what can be said about the structure of  $G$ ? We will survey the known results and open questions regarding this topic. We will also show how these graphs can be applied to other results regarding character degrees.