999-34-112          **B M Brown\*** (`malcolm@cs.cf.ac.uk`), Cardiff University School of Computer Science, CF14 1QB Cardiff, Wales, and **R Weikard**. *The Borg Problem on Trees.*

In this talk we shall show that the well-known Borg result on uniqueness of the function $q$ in the Sturm-Liouville Problem on an interval may be extended to a Sturm-Liouville problem on a finite tree. Here the $m$-function is replaced by the Dirichlet to Neumann map. (Received August 17, 2004)