Groups and symmetries: From the Neolithic Scots to John McKay April 27 - 29, 2007

McKay correspondence for cocompact discrete subgroups of SU(1, 1)

Igor Dolgachev idolga@umich.edu Department of Mathematics University of Michigan 2072 East Hall, 525 Eat University Ave. Ann Arbor, MI 48108-1109 USA

Abstract

We will discuss a possible approach to extension of the McKay correspondence for finite subgroups of SU(2) to cocompact discrete subgroups of SU(1, 1).