

Turkish Journal of Mathematics

Turkish Journal

About Some Normal Subgroups of Hecke Groups

of

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Mathematics

Abstract: In this work we study the structure of some special normal subgroups of Hecke groups. Particularly those of genus 0 and 1 are studied by means of the regular map theory which has been a growing subject in recent years. As a nice application, we calculate the total number of genus 1 normal subgroups for a given index.

 [Keywords](#)
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Key words: Hecke groups, level, parabolic class number

Turk. J. Math., **21**, (1997), 143-151.

Full text: [pdf](#)

Other articles published in the same issue: [Turk. J. Math., vol.21, iss.2.](#)



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