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SUBORBITAL GRAPHS FOR THE NORMALIZER OF  $\Gamma_0(N)$

of

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Mathematics

**Abstract:** In this paper we examine some properties of suborbital graphs for the normalizer  $\langle \text{Gal } N \rangle$  of  $\Gamma_0(N)$  in  $\text{PSL}(2, \mathbb{R})$  and show that, if  $\langle \text{Gal } N \rangle / \Gamma_0(N)$  and the set of orbit representatives are denoted by  $B$  and  $\Omega$  respectively, the permutation group  $(B, \Omega)$  is regular and  $m$ -regular where  $m$  is an odd natural number.

 [Keywords](#)  
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