



زانكۆي سەلاحەدين / ھەولېر  
كۆلېزى پەروەردەى بنەرەتى  
بەشى : ماتماتىك

### فۆرمى تايبەت بە تۆمارکردنى توڭزىنەو

صنعان مجدصالح خسرو Chenar Hassan Nor Haniza Sarmin Ibrahim Gambo	ناو و نازناوى توڭزەر/توڭزەران
On the Non-Commuting Graph of the Group $U_{6n}$ and Its Energy	ناونيشانى توڭزىنەو
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كورتەى توڭزىنەو - ئامانجى توڭزىنەو - بەشەكانى <p>A non-commuting graph of a finite group <math>G</math> is a graph whose vertices are non-central elements of <math>G</math> and join two vertices if they don't commute in <math>G</math>. In this paper, we study the non-commuting graph of the group <math>U_{6n}</math> and explore some of its properties such as number of edges, independent, clique and chromatic numbers. Furthermore, the general formula of the adjacency matrix of the non-commuting graph of the group <math>U_{6n}</math> and its energy are provided.</p>	

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