

عنوان مقاله:

A new proof of validity of Bouchet's conjecture on Eulerian bidirected graphs

محل انتشار:

فصلنامه معادلات در ترکیبات, دوره 6, شماره 2 (سال: 1396)

تعداد صفحات اصل مقاله: 5

نویسنده:

Narges Ghareghani - University of Tehran

خلاصه مقاله:

Recently, E. M^av^cajov^a and M. v^Skoviera proved that every bidirected Eulerian graph which admits a nowhere zero flow, admits a nowhere zero \mathcal{F} -flow. This result shows the validity of Bouchet's nowhere zero conjecture for Eulerian bidirected graphs. In this paper we prove the same theorem in a different terminology and with a short and simple proof. More precisely, we prove that every Eulerian undirected graph which admits a zero-sum flow, admits a zero-sum \mathcal{F} -flow. As a conclusion we obtain a shorter proof for the previously mentioned result of M^av^cajov^a and v^Skoviera.

کلمات کلیدی:

Nowhere zero flow in bidirected graphs, zero-sum flow, Eulerian graphs

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1319346>

