عنوان مقاله:
A neighborhood union condition for fractional (k,n',m)-critical deleted graphs

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خلاصه مقاله:
A graph G is called a fractional (k,n',m)-critical deleted graph if any n' vertices are removed from G the resulting graph is a fractional (k,m)-deleted graph. In this paper, we prove that for integers k\ge ۲, n',m\ge۰, n\ge۸k+n'+۴m-۷, and \delta(G)\ge k+n'+m, if |N_{G}(x)\cup N_{G}(y)|\ge\frac{n+n'}{۲} for each pair of non-adjacent vertices x, y of G, then G is a fractional (k,n',m)-critical deleted graph. The bounds for neighborhood union condition, the order n and the minimum degree \delta(G) of G are all sharp.

کلمات کلیدی:
Graph, fractional factor, fractional (k, n&#۰۳۹;, m)-critical deleted graph, neighborhood union condition