

## عنوان مقاله:

On linear combinations between Zagreb indices/coindices of a line graph

## محل انتشار:

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## خلاصه مقاله:

Let  $G=(V,E)$ ,  $V=\{v_1, v_2, \dots, v_n\}$ , be a simple graph of order  $n$  and size  $m$ . Denote by  $\Delta = d_1 \geq d_2 \geq \dots \geq d_n = \delta$ ,  $d_i = d(v_i)$ , and  $\Delta_e = d(e_1) \geq d(e_2) \geq \dots \geq d(e_m) = \delta_e$ , sequences of vertex and edge degrees, respectively. The first reformulated Zagreb index (coindex) is defined as  $EM_1(G) = \sum_{i=1}^m d(e_i)^2 = \sum_{\{e_i \sim e_j\}} (d(e_i) + d(e_j))$ . We consider relationship between reformulated Zagreb indices/coindices and determine their bounds in terms of some basic graph parameters.

## کلمات کلیدی:

Topological indices, Zagreb indices, Line graph

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1784442>

