REFINEMENTS OF THE MAJORIZATION THEOREMS
VIA FINK IDENTITY AND RELATED RESULTS

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Abstract. The well known majorization theorem (see [5, p. 11] and [7, p. 320]) plays an important role in our paper. By using A. M. Fink's identity in the majorization difference, we obtain an interesting identity and with the help of this useful identity, we obtain many significant results. We investigate the bounds for this identity, by using Grüss-type inequalities and we also present some results relating to the Ostrowski-type inequality.

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