The authors show how a variant of the Askey-Gasper identity can be deduced by a straightforward examination of Weinstein’s functions which are intimately related with a Löwner chain of the Koebe function. The authors also prove that Weinstein’s functions can be represented as Jacobi polynomial sums and obtain the Askey-Gasper inequality and identity for Weinstein’s functions. Finally, the authors give a simple method to generate the explicit representation of Weinstein’s functions.

Reviewed by Shusen Ding

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