

# Review of: "Some Results on Maxima and Minima of Real Functions of Vector Variables: A New Perspective"

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Potential competing interests: No potential competing interests to declare.

The authors present new results for finding the extrema of real vector variable functions. The proofs of their results are mathematically correct, and the numerous examples given are relevant to the study.

The authors stated the existence and uniqueness of  $\lambda$  in the Abstract. However, in Theorem 1.2, they only proved the existence without saying anything about its uniqueness. I suggest they prove the uniqueness also or remove the statement from the Abstract.

The authors should carefully go over the manuscript to correct typos and grammar errors. Some are listed below:

[1.] Page 2, line 20:  $\|x\| \cdot \sqrt{n} \cdot \cos \theta = r \sqrt{n} \cos \theta$  not  $\|x\| \cdot \sqrt{n} \cdot \cos \theta = r \sqrt{n}$ . Please check.

[2.] Reconstruct the first sentence in the proof of Theorem 1.2. See Page 2, line 25.

[3.] Equation (42) is not needed to get equation (43). What is  $c$  in (43)?

The article is suitable for publication after making the necessary corrections.