Qeios

Peer Review

Review of: "Cauchy-Type Identities Through Collocation Matrices"

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This paper features a theorem which associates to every analytic function an analogue of Schur's identity. Several neat examples are given. Only two comments:

1. I am not aware of V being used for the discriminant. I think that Δ is more common. Whichever you use, you should tell the reader what it is.
2. Schur's identity, as you mentioned, has numerous generalizations. I think it likely that your theorem will have analogues for some of them. I'm thinking in particular of the identity for $\prod(1 + x_i y_j)$, as well as the identities associated with the characters of the simple Lie algebras.

Declarations

Potential competing interests: No potential competing interests to declare.