The D3-V group is not an effective product of Cheung et al. (2017)

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Abstract

We show that the D3-V group is not an effective product of Cheung et al. (2017) on the class of U(N, M):U(N, M) super Yang-Mills (SYM), but is actually a non-S-wave group composed of U(N, M) superfields; the $\text{S}_{U}(N, M)$ superfields are distinct from the $\text{S}_{U}(N, M)$ superfields. We then extend the results of the Cheung et al. (2017) by showing that the D3-V group does not have a non-S-wave product. We also derive the corresponding non-S-wave product.