CORRIGENDUM

Deriving relativistic momentum and energy: II. Three-dimensional case

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Corrigendum

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Contrary to what is claimed in section 2 of this paper, the velocity composition law in more than one space dimension need not be associative, so equation (2.4) does not hold in general. This can be checked explicitly for the relativistic case, using equation (2.6), and is related to the fact that boosts alone do not form a subgroup of the Poincaré group, except in one space dimension. The rest of the paper does not rely on equation (2.4), so the entire analysis and conclusions are left unchanged.