

On mental rotations and cortical activity patterns A linear representation is still wanted

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Carlton (1988) has proposed an attractive hypothesis to link perceived visual images to brain electrical patterns via a linear representation of the Euclidean group onto an appropriate functional space. We show that the construction she proposes is (1) biologically restrictive, and (2) cannot be completed in the desired way. We conclude by presenting other possible means to pursue Carlton's approach. © 1991 Springer-Verlag.