

# Irreducibility of multigraded Hilbert schemes of points in general position in the product of projective spaces

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I will present some necessary conditions for a point of a multigraded Hilbert scheme corresponding to  $r$  points in general position in a smooth projective complex toric variety to be in the Slip component. These criteria can be used to classify irreducible multigraded Hilbert schemes corresponding to points in general position in the product of projective spaces.

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