

Hypersymmetry Then and Now

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The space groups $Pca2_1$ and $Pna2_1$ can potentially cause difficult least-squares refinements when $Z' = 2$ and local inversion centers between independent molecules are present [see Marsh, R.A.; Schomaker, V.; Herbst, F.H. Arrays with Local Centers of Symmetry in Space Groups $Pca2_1$ and $Pna2_1$. *Acta Cryst.* **1998**, B54, 921-924]. This effect was given the term *hypersymmetry* to describe a potentially pathological least-squares refinement for such a crystal structure. A case study will be presented where Dick March was asked to referee a structure with hypersymmetry. An update will be provided on new hypersymmetry structures appearing in the Cambridge Structural Database since the original article.