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 $\delta p_i = ||p(1)_i| - |p(2)_i|| / |\sigma^2 p(1)_i + \sigma^2 p(2)_i|^{\frac{1}{2}}$ , where  $p(1)_i$  and  $p(2)_i$  are the two sets of parameters refined in the structure analysis and the  $\sigma$ 's are the corresponding standard deviations.



Fig. 1. Half-normal probability plot with real  $\delta p$  and expected  $\delta p$  as ordinate and abscissa.

A least-squares straight-line fit of the plot ignoring two points (16th and 17th in the figure) gave a slope of 1.83 (4) and an intercept of -0.16 (3). The non-zero intercept indicates systematic errors in the data. The slope of the straight line deviates from the ideal value of 1 by 0.85 indicating that either the  $\Delta p_i = p(1)_i - p(2)_i$  are large or the corresponding standard deviations  $\sigma(p_i)$  are small. The near linearity of the plot excludes the first possibility since for  $\Delta p_i$  to be large  $p(1)_i$  and  $p(2)_i$  must differ from the true value in opposite directions. The second possibility is more likely, which could arise if both sets of data are refined by least squares to a greater degree than warranted by the accuracy of the data.

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## International Union of Crystallography

## Chemical nomenclature

The attention of authors is drawn to the following recommendations of the IUPAC Commission on Nomenclature of Organic Chemistry: The Designation of Non-Standard Classical Valence Bonding in Organic Nomenclature [Pure Appl. Chem. (1982), **54**, 217–227], Revision of the Extended Hantzsch-Widman System of Nomenclature for Heteromonocycles [Pure Appl. Chem. (1983), **55**, 409–416]; and to the following recent recommendations of the IUPAC-IUB Joint Commission on Biochemical Nomenclature: Symbols for Specifying the Conformation of Polysaccharide Chains [Eur. J. Biochem. (1983), **131**, 5–7], Abbreviations and Symbols for the Description of Conformations of Polynucleotide Chains [Eur. J. Biochem. (1983), **131**, 9–15]. Authors are reminded that, wherever possible, chemical nomenclature in the Union's journals should conform to IUPAC rules. Basic rules for the nomenclature of inorganic chemistry are given in Nomenclature of Inorganic Chemistry (1970) ('The Red Book'), London: Butterworths and, for organic chemistry, in the two volumes Nomenclature of Organic Chemistry, Sections A,B,C,D,E,F, & H (1979) ('The Blue Book'), Oxford: Pergamon Press and Biochemical Nomenclature and Related Documents (1978), London: Biochemical Society. For additional details on nomenclature requirements see p. 179 of Notes for Authors [Acta Cryst. (1983), A**39**, 174–186].

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