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The probabilistic estimation of triplet invariants: the formula P_{13}. Erratum.

By M. C. Burla, *Dipartimento di Scienze della Terra, Università*, 06100 *Perugia, Italy*, C. Giacovazzo and A. G. G. Moliterni, *Istituo di Ricerca per lo Sviluppo di Metodologie Cristallografiche CNR, c/o Dipartimento Geomineralogico, Campus Universitario*, 70124 *Bari, Italy*, and J. Gonzalez Platas, *Dipartimento de Fisica Fundamental y Experimental, Universidad de La Laguna, La Laguna, Tenerife, Spain*

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Abstract

Typesetting errors, not in the proofs, were introduced in the paper by Burla, Giacovazzo, Moliterni & Gonzalez Platas [*Acta Cryst.* (1994). A**50**, 771–778]. The correct equations are given below.

Page 772: formulas (3) should be changed into

$$\begin{cases} \varphi_{\mathbf{h}_1} + \varphi_{\mathbf{h}_2} + \varphi_{\mathbf{h}_3} \\ -\varphi_{\mathbf{h}_1} - \varphi_{\mathbf{k}\mathbf{R}_i} + \varphi_{\mathbf{h}_1+\mathbf{k}\mathbf{R}_i} \\ -\varphi_{\mathbf{h}_2} + \varphi_{\mathbf{k}\mathbf{R}_i} + \varphi_{\mathbf{h}_2-\mathbf{k}\mathbf{R}_i} \\ -\varphi_{\mathbf{h}_3} - \varphi_{\mathbf{h}_1+\mathbf{k}\mathbf{R}_i} - \varphi_{\mathbf{h}_2-\mathbf{k}\mathbf{R}_i} \end{cases}$$

$$\begin{cases} \varphi_{\mathbf{h}_1} + \varphi_{\mathbf{h}_2} + \varphi_{\mathbf{h}_3} \\ -\varphi_{\mathbf{h}_1} - \varphi_{\mathbf{k}\mathbf{R}_i} + \varphi_{\mathbf{h}_1+\mathbf{k}\mathbf{R}_i} \\ -\varphi_{\mathbf{h}_2} - \varphi_{\mathbf{h}_1+\mathbf{k}\mathbf{R}_i} - \varphi_{\mathbf{h}_3-\mathbf{k}\mathbf{R}_i} \\ -\varphi_{\mathbf{h}_3} + \varphi_{\mathbf{k}\mathbf{R}_i} + \varphi_{\mathbf{h}_3-\mathbf{k}\mathbf{k}_i} \end{cases}$$

$$\begin{cases} \varphi_{\mathbf{h}_1} + \varphi_{\mathbf{h}_2} + \varphi_{\mathbf{h}_3} \\ -\varphi_{\mathbf{h}_1} + \varphi_{\mathbf{k}\mathbf{R}_i} + \varphi_{\mathbf{h}_1-\mathbf{k}\mathbf{R}_i} \\ -\varphi_{\mathbf{h}_2} - \varphi_{\mathbf{k}\mathbf{R}_i} + \varphi_{\mathbf{h}_2+\mathbf{k}\mathbf{R}_i} \\ -\varphi_{\mathbf{h}_3} - \varphi_{\mathbf{h}_1-\mathbf{k}\mathbf{R}_i} - \varphi_{\mathbf{h}_2+\mathbf{k}\mathbf{R}_i} \end{cases} \tag{3}$$

$$\begin{cases} \varphi_{\mathbf{h}_1} + \varphi_{\mathbf{h}_2} + \varphi_{\mathbf{h}_3} \\ -\varphi_{\mathbf{h}_1} - \varphi_{\mathbf{h}_2+\mathbf{k}\mathbf{R}_i} - \varphi_{\mathbf{h}_3-\mathbf{k}\mathbf{R}_i} \\ -\varphi_{\mathbf{h}_2} - \varphi_{\mathbf{k}\mathbf{R}_i} + \varphi_{\mathbf{h}_2+\mathbf{k}\mathbf{R}_i} \\ -\varphi_{\mathbf{h}_3} + \varphi_{\mathbf{k}\mathbf{R}_i} + \varphi_{\mathbf{h}_3-\mathbf{k}\mathbf{R}_i} \end{cases}$$

$$\begin{cases} \varphi_{\mathbf{h}_1} + \varphi_{\mathbf{h}_2} + \varphi_{\mathbf{h}_3} \\ -\varphi_{\mathbf{h}_1} + \varphi_{\mathbf{k}\mathbf{R}_i} + \varphi_{\mathbf{h}_1-\mathbf{k}\mathbf{R}_i} \\ -\varphi_{\mathbf{h}_2} - \varphi_{\mathbf{h}_1-\mathbf{k}\mathbf{R}_i} - \varphi_{\mathbf{h}_3+\mathbf{k}\mathbf{R}_i} \\ -\varphi_{\mathbf{h}_3} - \varphi_{\mathbf{k}\mathbf{R}_i} + \varphi_{\mathbf{h}_3+\mathbf{k}\mathbf{R}_i} \end{cases}$$

$$\begin{cases} \varphi_{\mathbf{h}_1} + \varphi_{\mathbf{h}_2} + \varphi_{\mathbf{h}_3} \\ -\varphi_{\mathbf{h}_1} - \varphi_{\mathbf{h}_2-\mathbf{k}\mathbf{R}_i} - \varphi_{\mathbf{h}_3+\mathbf{k}\mathbf{R}_i} \\ -\varphi_{\mathbf{h}_2} + \varphi_{\mathbf{k}\mathbf{R}_i} + \varphi_{\mathbf{h}_2-\mathbf{k}\mathbf{R}_i} \\ -\varphi_{\mathbf{h}_3} - \varphi_{\mathbf{k}\mathbf{R}_i} + \varphi_{\mathbf{h}_3+\mathbf{k}\mathbf{R}_i}. \end{cases}$$

Page 772: formula (4) should be changed into

$$\begin{cases} \varphi_{\mathbf{h}_1} + \varphi_{\mathbf{h}_2} + \varphi_{\mathbf{h}_3} \\ -\varphi_{\mathbf{h}_2} - \varphi_{\mathbf{k}\mathbf{R}_i} + \varphi_{\mathbf{h}_2+\mathbf{k}\mathbf{R}_i} \\ -\varphi_{\mathbf{h}_3} + \varphi_{\mathbf{k}\mathbf{R}_j} + \varphi_{\mathbf{h}_3-\mathbf{k}\mathbf{R}_j} \\ -\varphi_{\mathbf{h}_1} - \varphi_{(\mathbf{h}_2+\mathbf{k}\mathbf{R}_i)\mathbf{R}_p} - \varphi_{(\mathbf{h}_3-\mathbf{k}\mathbf{R}_j)\mathbf{R}_s}. \end{cases} \tag{4}$$

Pages 773–774: formulas (15) should be changed into

(*a*)
$$\begin{cases} \varphi_{\mathbf{h}_1} + \varphi_{\mathbf{h}_2} + \varphi_{\mathbf{h}_3} \\ -\varphi_{\mathbf{h}_1} + \varphi_{\mathbf{k}\mathbf{R}_i} + \varphi_{\mathbf{h}_1-\mathbf{k}\mathbf{R}_i} \\ -\varphi_{\mathbf{h}_2} - \varphi_{\mathbf{k}\mathbf{R}_i} + \varphi_{\mathbf{h}_2+\mathbf{k}\mathbf{R}_i} \\ -\varphi_{\mathbf{h}_3} - \varphi_{\mathbf{h}_1-\mathbf{k}\mathbf{R}_i} - \varphi_{\mathbf{h}_2+\mathbf{k}\mathbf{R}_i} \end{cases}$$

(*b*)
$$\begin{cases} \varphi_{\mathbf{h}_1} + \varphi_{\mathbf{h}_2} + \varphi_{\mathbf{h}_3} \\ -\varphi_{\mathbf{h}_1} + \varphi_{\mathbf{k}\mathbf{R}_i} + \varphi_{\mathbf{h}_1-\mathbf{k}\mathbf{R}_i} \\ -\varphi_{\mathbf{h}_2} - \varphi_{\mathbf{h}_1-\mathbf{k}\mathbf{R}_i} - \varphi_{\mathbf{h}_3+\mathbf{k}\mathbf{R}_i} \\ -\varphi_{\mathbf{h}_3} - \varphi_{\mathbf{k}\mathbf{R}_i} + \varphi_{\mathbf{h}_3+\mathbf{k}\mathbf{R}_i} \end{cases}$$

(*c*)
$$\begin{cases} \varphi_{\mathbf{h}_1} + \varphi_{\mathbf{h}_2} + \varphi_{\mathbf{h}_3} \\ -\varphi_{\mathbf{h}_1} + \varphi_{\mathbf{h}_1\mathbf{R}_p} - \varphi_{\mathbf{h}_1(\mathbf{R}_p-\mathbf{I})} \\ -\varphi_{\mathbf{h}_2} - \varphi_{\mathbf{h}_1\mathbf{R}_p} + \varphi_{\mathbf{h}_1\mathbf{R}_p+\mathbf{h}_2} \\ -\varphi_{\mathbf{h}_3} - \varphi_{\mathbf{h}_1\mathbf{R}_p+\mathbf{h}_2} + \varphi_{\mathbf{h}_1(\mathbf{R}_p-\mathbf{I})} \end{cases}$$

(*d*)
$$\begin{cases} \varphi_{\mathbf{h}_1} + \varphi_{\mathbf{h}_2} + \varphi_{\mathbf{h}_3} \\ -\varphi_{\mathbf{h}_1} + \varphi_{\mathbf{h}_1\mathbf{R}_p} - \varphi_{\mathbf{h}_1(\mathbf{R}_p-\mathbf{I})} \\ -\varphi_{\mathbf{h}_2} - \varphi_{\mathbf{h}_1\mathbf{R}_p+\mathbf{h}_3} + \varphi_{\mathbf{h}_1(\mathbf{R}_p-\mathbf{I})} \\ -\varphi_{\mathbf{h}_3} - \varphi_{\mathbf{h}_1\mathbf{R}_p} + \varphi_{\mathbf{h}_1\mathbf{R}_p+\mathbf{h}_3} \end{cases} \tag{15}$$

(*e*)
$$\begin{cases} \varphi_{\mathbf{h}_1} + \varphi_{\mathbf{h}_2} + \varphi_{\mathbf{h}_3} \\ -\varphi_{\mathbf{h}_1\mathbf{R}_p} - \varphi_{\mathbf{h}_3} + \varphi_{\mathbf{h}_1\mathbf{R}_p+\mathbf{h}_3} \\ -\varphi_{\mathbf{h}_2} + \varphi_{\mathbf{k}\mathbf{R}_i\mathbf{R}_p} + \varphi_{\mathbf{h}_2-\mathbf{k}\mathbf{R}_i\mathbf{R}_p} \\ -\varphi_{\mathbf{k}\mathbf{R}_i} - \varphi_{\mathbf{h}_2-\mathbf{k}\mathbf{R}_i\mathbf{R}_p} - \varphi_{\mathbf{h}_1\mathbf{R}_p+\mathbf{h}_3} \end{cases}$$

(*f*)
$$\begin{cases} \varphi_{\mathbf{h}_1} + \varphi_{\mathbf{h}_2} + \varphi_{\mathbf{h}_3} \\ -\varphi_{\mathbf{h}_1\mathbf{R}_p} - \varphi_{\mathbf{h}_3} + \varphi_{\mathbf{h}_1\mathbf{R}_p+\mathbf{h}_3} \\ -\varphi_{\mathbf{h}_2} - \varphi_{\mathbf{k}\mathbf{R}_i} + \varphi_{\mathbf{h}_2+\mathbf{k}\mathbf{R}_i} \\ +\varphi_{\mathbf{k}\mathbf{R}_i\mathbf{R}_p} - \varphi_{\mathbf{h}_2+\mathbf{k}\mathbf{R}_i} - \varphi_{\mathbf{h}_1\mathbf{R}_p+\mathbf{h}_3} \end{cases}$$

(*g*)
$$\begin{cases} \varphi_{\mathbf{h}_1} + \varphi_{\mathbf{h}_2} + \varphi_{\mathbf{h}_3} \\ -\varphi_{\mathbf{h}_1\mathbf{R}_p} - \varphi_{\mathbf{k}\mathbf{R}_i} + \varphi_{\mathbf{h}_1\mathbf{R}_p+\mathbf{k}\mathbf{R}_i} \\ -\varphi_{\mathbf{h}_2} + \varphi_{\mathbf{k}\mathbf{R}_i\mathbf{R}_p} + \varphi_{\mathbf{h}_2-\mathbf{k}\mathbf{R}_i\mathbf{R}_p} \\ -\varphi_{\mathbf{h}_3} - \varphi_{\mathbf{h}_1\mathbf{R}_p+\mathbf{k}\mathbf{R}_i} - \varphi_{\mathbf{h}_2-\mathbf{k}\mathbf{R}_i\mathbf{R}_p} \end{cases}$$

$$(h)\quad \begin{cases} \varphi_{\mathbf{h}_1} + \varphi_{\mathbf{h}_2} + \varphi_{\mathbf{h}_3} \\ -\varphi_{\mathbf{h}_1\mathbf{R}_p} - \varphi_{\mathbf{k}\mathbf{R}_i} + \varphi_{\mathbf{h}_1\mathbf{R}_p+\mathbf{k}\mathbf{R}_i} \\ -\varphi_{\mathbf{h}_2} - \varphi_{\mathbf{h}_1\mathbf{R}_p+\mathbf{k}\mathbf{R}_i} - \varphi_{\mathbf{h}_3-\mathbf{k}\mathbf{R}_i\mathbf{R}_p} \\ -\varphi_{\mathbf{h}_3} + \varphi_{\mathbf{k}\mathbf{R}_i\mathbf{R}_p} + \varphi_{\mathbf{h}_3-\mathbf{k}\mathbf{R}_i\mathbf{R}_p} \end{cases}$$

$$(i)\quad \begin{cases} \varphi_{\mathbf{h}_1} + \varphi_{\mathbf{h}_2} + \varphi_{\mathbf{h}_3} \\ -\varphi_{\mathbf{h}_1\mathbf{R}_p} - \varphi_{\mathbf{h}_2} + \varphi_{\mathbf{h}_1\mathbf{R}_p+\mathbf{h}_2} \\ +\varphi_{\mathbf{k}\mathbf{R}_i\mathbf{R}_p} - \varphi_{\mathbf{h}_3+\mathbf{k}\mathbf{R}_i} - \varphi_{\mathbf{h}_1\mathbf{R}_p+\mathbf{h}_2} \\ -\varphi_{\mathbf{h}_3} - \varphi_{\mathbf{k}\mathbf{R}_i} + \varphi_{\mathbf{h}_3+\mathbf{k}\mathbf{R}_i} \end{cases}$$

$$(j)\quad \begin{cases} \varphi_{\mathbf{h}_1} + \varphi_{\mathbf{h}_2} + \varphi_{\mathbf{h}_3} \\ -\varphi_{\mathbf{h}_1\mathbf{R}_p} - \varphi_{\mathbf{h}_2} + \varphi_{\mathbf{h}_1\mathbf{R}_p+\mathbf{h}_2} \\ -\varphi_{\mathbf{k}\mathbf{R}_i} - \varphi_{\mathbf{h}_3-\mathbf{k}\mathbf{R}_i\mathbf{R}_p} - \varphi_{\mathbf{h}_1\mathbf{R}_p+\mathbf{h}_2} \\ -\varphi_{\mathbf{h}_3} + \varphi_{\mathbf{k}\mathbf{R}_i\mathbf{R}_p} + \varphi_{\mathbf{h}_3-\mathbf{k}\mathbf{R}_i\mathbf{R}_p} \end{cases}$$

$$(k)\quad \begin{cases} \varphi_{\mathbf{h}_1} + \varphi_{\mathbf{h}_2} + \varphi_{\mathbf{h}_3} \\ -\varphi_{\mathbf{h}_1\mathbf{R}_p} - \varphi_{\mathbf{h}_2+\mathbf{k}\mathbf{R}_i} - \varphi_{\mathbf{h}_3-\mathbf{k}\mathbf{R}_i\mathbf{R}_p} \\ -\varphi_{\mathbf{h}_2} - \varphi_{\mathbf{k}\mathbf{R}_i} + \varphi_{\mathbf{h}_2+\mathbf{k}\mathbf{R}_i} \\ -\varphi_{\mathbf{h}_3} + \varphi_{\mathbf{k}\mathbf{R}_i\mathbf{R}_p} + \varphi_{\mathbf{h}_3-\mathbf{k}\mathbf{R}_i\mathbf{R}_p} \end{cases}$$

$$(l)\quad \begin{cases} \varphi_{\mathbf{h}_1} + \varphi_{\mathbf{h}_2} + \varphi_{\mathbf{h}_3} \\ -\varphi_{\mathbf{h}_1\mathbf{R}_p} - \varphi_{\mathbf{h}_2-\mathbf{k}\mathbf{R}_i\mathbf{R}_p} - \varphi_{\mathbf{h}_3+\mathbf{k}\mathbf{R}_i} \\ -\varphi_{\mathbf{h}_2} + \varphi_{\mathbf{k}\mathbf{R}_i\mathbf{R}_p} + \varphi_{\mathbf{h}_2-\mathbf{k}\mathbf{R}_i\mathbf{R}_p} \\ -\varphi_{\mathbf{h}_3} - \varphi_{\mathbf{k}\mathbf{R}_i} + \varphi_{\mathbf{h}_3+\mathbf{k}\mathbf{R}_i} \end{cases}$$

$$(m)\quad \begin{cases} \varphi_{\mathbf{h}_1} + \varphi_{\mathbf{h}_2} + \varphi_{\mathbf{h}_3} \\ -\varphi_{\mathbf{k}\mathbf{R}_i} + \varphi_{\mathbf{k}\mathbf{R}_i\mathbf{R}_p} - \varphi_{\mathbf{k}\mathbf{R}_i(\mathbf{R}_p-\mathbf{I})} \\ -\varphi_{\mathbf{h}_1\mathbf{R}_p} - \varphi_{\mathbf{h}_2} + \varphi_{\mathbf{h}_1\mathbf{R}_p+\mathbf{h}_2} \\ -\varphi_{\mathbf{h}_3} - \varphi_{\mathbf{h}_1\mathbf{R}_p+\mathbf{h}_2} + \varphi_{\mathbf{h}_1(\mathbf{R}_p-\mathbf{I})} \end{cases}$$

$$(n)\quad \begin{cases} \varphi_{\mathbf{h}_1} + \varphi_{\mathbf{h}_2} + \varphi_{\mathbf{h}_3} \\ -\varphi_{\mathbf{k}\mathbf{R}_i} + \varphi_{\mathbf{k}\mathbf{R}_i\mathbf{R}_p} - \varphi_{\mathbf{k}\mathbf{R}_i(\mathbf{R}_p-\mathbf{I})} \\ -\varphi_{\mathbf{h}_1\mathbf{R}_p} - \varphi_{\mathbf{h}_3} + \varphi_{\mathbf{h}_1\mathbf{R}_p+\mathbf{h}_3} \\ -\varphi_{\mathbf{h}_2} - \varphi_{\mathbf{h}_1\mathbf{R}_p+\mathbf{h}_3} + \varphi_{\mathbf{h}_1(\mathbf{R}_p-\mathbf{I})}. \end{cases}$$

All relevant information is given in the *Abstract.*

International Union of Crystallography

Acta Cryst. (1995). **A51**, 203

Nominations for the Ewald Prize

The International Union of Crystallography is pleased to invite nominations for the Ewald Prize for outstanding contributions to the science of crystallography. The Prize is named after Professor Paul P. Ewald, in recognition of his significant contributions to the foundations of crystallography and to the founding of the International Union of Crystallography. Professor Ewald was the President of the Provisional International Crystallographic Committee from 1946 to 1948, the first Editor of the IUCr publication *Acta Crystallographica* from 1948 to 1959 and the President of the IUCr from 1960 to 1963.

The Prize consists of a medal, a certificate and a financial award, and is presented once every three years during the triennial International Congresses of Crystallography. The recipients to date are as follows:

Year	*Place*	*Recipients*
1987	Perth, Australia	Professor J. M. Cowley and Dr A. F. Moodie
1990	Bordeaux, France	Professor B. K. Vainshtein
1993	Beijing, China	Professor N. Kato

The fourth Prize, for which nominations are now being invited, will be presented at the XVII Congress in Seattle, Washington, USA, in August 1996.

Scientists who have made contributions of exceptional distinction to the science of crystallography are eligible for the Ewald Prize, irrespective of nationality, age or experience. The Selection Committee will give careful attention to the nominations of outstanding scientists who have not yet won a major prize. Either an exceptionally distinguished scientific career or a major scientific accomplishment may be recognized. Current members of the Selection Committee and the President of the IUCr are not eligible. No restrictions are placed on the time or the means of publication of the nominee's contributions. The Prize may be shared by more than one contributor, but not more than three, to the same scientific achievement.

Nominations for the Ewald Prize should be submitted in writing, preferably using the Ewald Prize Nomination Form and accompanied by supporting documentation, to the Executive Secretary of the International Union of Crystallography, 2 Abbey Square, Chester CH1 2HU, England, from whom copies of the Nomination Form and the names of the Selection Committee may be obtained. **The closing date for nominations is 31 August 1995.**

P. COPPENS
President

A. I. HORDVIK
General Secretary