

SHORT COMMUNICATIONS

Acta Cryst. (1999). B55, 131

Theoretical prediction of bond-valence networks. II. Comparison of the graph-matrix and resonance-bond approaches. Erratum

JOHN S. RUTHERFORD at *Department of Applied Chemistry, National University of Science and Technology, PO Box AC939, Ascot, Bulawayo, Zimbabwe. E-mail: hkulube@esanet.zw*

(Received 20 October 1998; accepted 2 November 1998)

Abstract

The correct version of Fig. 2 in the paper by Rutherford [*Acta Cryst.* (1998), B54, 204–210] is given. It shows that, assuming graph-equivalent bonds are equal, there are 57 possible bond-length sequences for $\beta\text{-Ga}_2\text{O}_3$ within the constraints of the Valence-Sum Rule.

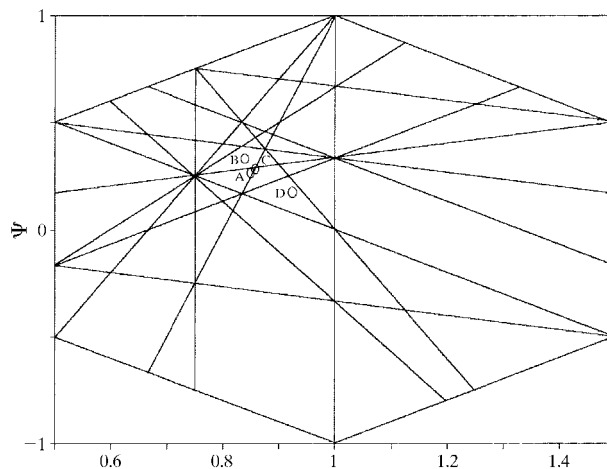


Fig. 2. The location of the various models within the solution space for $\beta\text{-Ga}_2\text{O}_3$. A Observed bond lengths; B Equal-Valence Rule; C resonance bond number; D statistical weighting.