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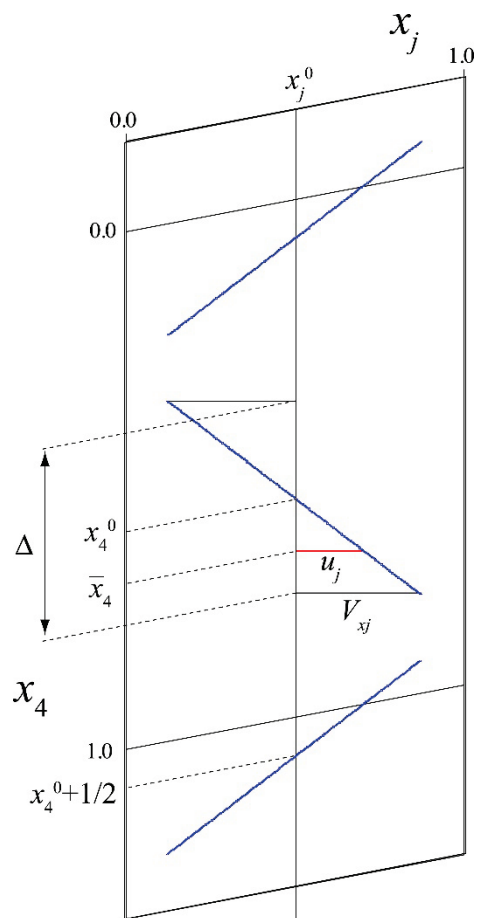
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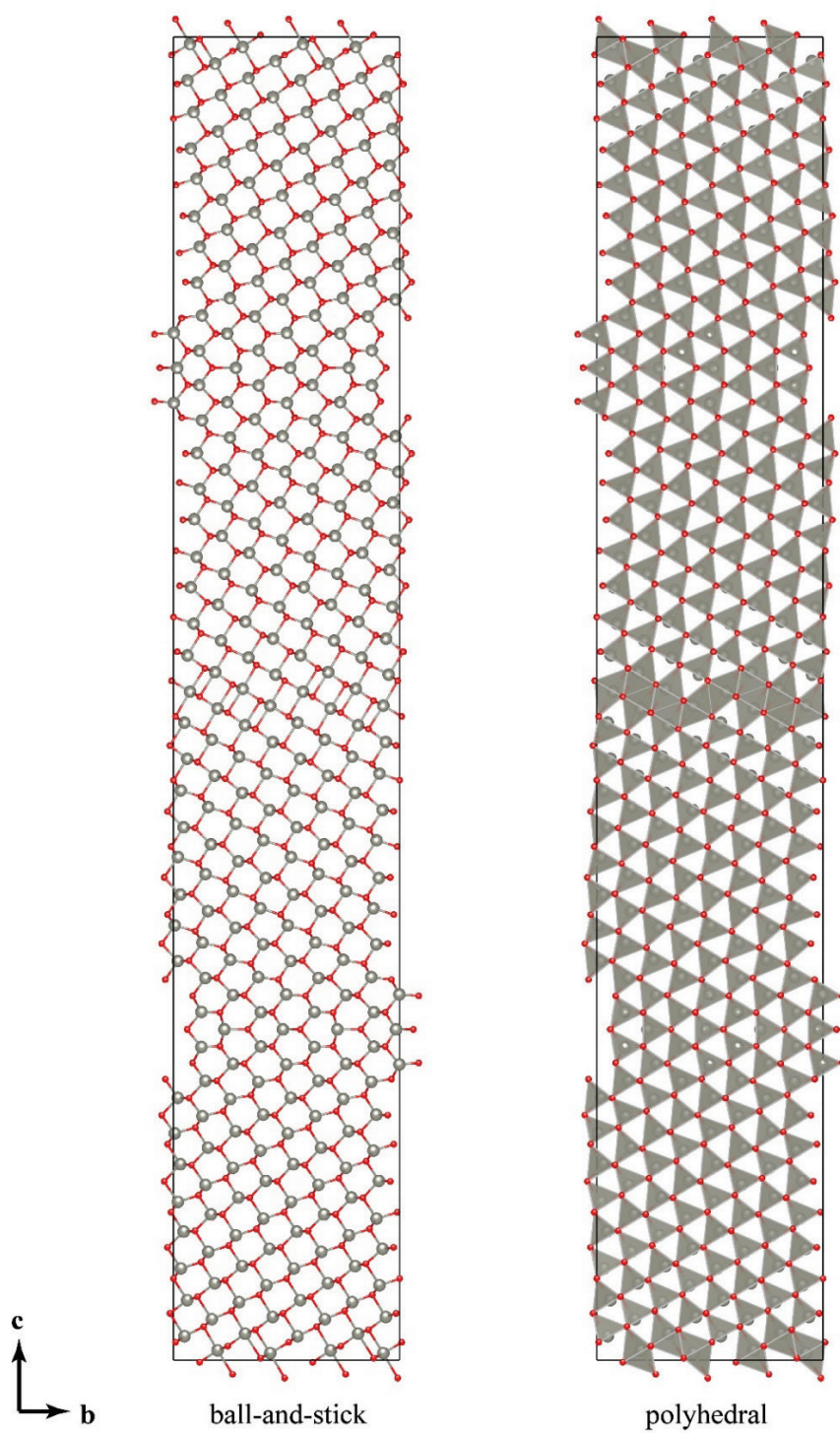
**Supporting information for article:**

**Utilizing a unified structure model in (3+1)-dimensional superspace to identify a homologous phase  $(\text{Ga}_{1-\alpha}\text{Al}_\alpha)_2\text{O}_3(\text{ZnO})_m$  in ZnO-based thermoelectric composites**

**Yuichi Michiue, Hyoung-Won Son and Takao Mori**

**Figure S1** Parameters for the zigzag function.



**Figure S2** Projection of the structure model for  $(\text{Ga}_{1-\alpha}\text{Al}_\alpha)_2\text{O}_3(\text{ZnO})_{37}$  along **a**.

Large grey spheres in the ball-and-stick model are metal (Zn/Ga/Al) ions, and small red spheres are oxygen ions.

**Figure S3** Observed and calculated diffraction intensities of Sample I. The structure model of  $m=37$  was used for the profile fitting. Differences are at the bottom.

