LETTER TO THE EDITOR

CORRECTIONS TO THE PAPER "CONTROL OF CRYSTAL-MELT INTERFACE SHAPE DURING CZOCHRALSKI GROWTH OF OXIDE SINGLE CRYSTALS"

Dear Sir:

We would like to call readers' attention to errors discovered in the paper "Control of Crystal-Melt Interface Shape during Czochralski Growth of Oxide Single Crystals", published in *J. Chem. Eng., Japan*, **22**, 389-394 (1989). These errors were found in Fig. 3 and Fig. 4. They have no serious effect on the final results, and our general conclusions are not materially affected by the errors. However, the following corrections are needed.

1) Values of the abscissa and ordinate in Fig. 3 should be multiplied by values of $(2R/\Delta r)^{1/2}$, and dimensions of units should read as follows:

$$\text{abscissa: } \left(\frac{\text{K}}{\text{cm}^5} \right)^{1/6} \quad \text{and} \quad \text{ordinate: } \left(\frac{\text{cm}}{\text{K} \cdot \text{s}^2} \right)^{1/2}$$

Therefore, Fig. 3 in the paper should be replaced by **Fig. A** (in MKS units) in this letter.

The sentence from 1st line, 1st column to 1st line, 2nd column on page 393 should read: "For TeO_2 ,¹⁰⁾ the value of $A^{1/2} \cdot Gr_z^{-1/2} \cdot Ma_r^{2/3} \cdot Pr^{1/2} \cdot Re_{os}^*$ may not be

directly proportional to $A^{1/2} \cdot Gr_z^{-1/2} \cdot Ma_r^{2/3} \cdot Pr^{1/6}$ as shown in Fig. 3, and it can be suggested that the growth did not occur under the Marangoni convection-dominant regime."

2) Units of the abscissa in Fig. 4 (a) and Fig. 4 (b) should read $[\text{K}^{2/3}/\text{cm}^{4/3}]$, and values of the abscissa should be multiplied by 0.01. Therefore, Fig. 4 (a) and Fig. 4 (b) in the paper should be replaced by **Fig. B (a)** and **Fig. B (b)** (in MKS units) in this letter.

3) Additional errors are:

Fig. A. Evaluation of the dominant convection in previous experimental results

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Fig. B. Comparison of previous experimental results with results in Table 1* (Keys are shown in Table 3*)
(a) GGG, (b) BSO

* in *J. Chem. Eng., Japan*, **22**, 389–394 (1989).

11th line in 1st column, page 390: “towards that melt” should read “towards the melt”.

Footnote in 2nd column, page 392:

$$\frac{A^{1/2} Ma_r Pr^{1/6}}{Gr_z^{1/2}} \text{ should read } \frac{A^{1/2} Ma_r^{2/3} Pr^{1/6}}{Gr_z^{1/2}}.$$

6th column and 2nd line in Table 2, page 393: “[k/m]” should read “[K/m]”.

6th column and 4th line in Table 2, page 393: “100^a” should read “90^a”.

1st line in footnote for Table 2, page 393: “GGG: Cd₃Ga₅O₁₂” should read “GGG: Gd₃Ga₅O₁₂”.

We regret any trouble we may have caused readers who had interest in our paper.

Yasunori OKANO

IMR, Tohoku University,
Sendai 980

Masato TACHIBANA, Ako HATANO and Akira HIRATA

Department of Chemical Engineering,
Waseda University,
Tokyo 169