



## Erratum

# Erratum to ‘On the role of grain boundary diffusion in fission gas release’

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Unfortunately, there was a typing error in Eq. (12) in the above paper. The correct formula is given by

$$f_{\text{dir}} = \frac{2}{\sqrt{\pi}} \sqrt{\frac{Dt}{L^2}} \quad (12)$$

In parallel, erroneous results were provided in the 6th and 8th column of Table 1. The correct table is given below.

Table 1

Comparison of experimental post-irradiation Xe release fractions [36] with simple volume diffusion theory

<i>T</i> (°C)	<i>t</i> (h)	<i>L</i> (cm)	<i>f</i> <sub>exp</sub>	Low diffusivity		High diffusivity	
				<i>D</i> (cm <sup>2</sup> /s)	<i>f</i> <sub>dir</sub> / <i>f</i> <sub>exp</sub>	<i>D</i> (cm <sup>2</sup> /s)	<i>f</i> <sub>dir</sub> / <i>f</i> <sub>exp</sub>
1400	5	0.076	0.0016	5.4 × 10 <sup>-15</sup>	0.05	1.0 × 10 <sup>-13</sup>	0.20
1450	5	0.071	0.0020	1.0 × 10 <sup>-14</sup>	0.05	1.8 × 10 <sup>-13</sup>	0.24
1500	5	0.053	0.0081	1.8 × 10 <sup>-14</sup>	0.02	3.2 × 10 <sup>-13</sup>	0.11
1600	10	0.044	0.0180	5.1 × 10 <sup>-14</sup>	0.03	9.0 × 10 <sup>-13</sup>	0.16
1700	10	0.072	0.0400	1.3 × 10 <sup>-13</sup>	0.01	2.3 × 10 <sup>-12</sup>	0.08

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