

Erratum

Erratum to “Experimental Analyses of the Major Parameters Affecting the Intensity of Outbursts of Coal and Gas”

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Received 11 November 2014; Accepted 25 November 2014; Published 8 December 2014

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Here, we correct the errors made in Table 3 and equation (5) in the paper titled “Experimental Analyses of the Major Parameters Affecting the Intensity of Outbursts of Coal and Gas.” The purpose of this paper is to correct both the data input and the mathematical errors in Table 3 and equation (5).

The data input (Gas pressure (Mpa)) in Column 5, Table 3, should be as in the table mentioned in this paper.

The coefficients in equation (5) should be changed to

$$\begin{aligned} \text{RI} &= -1.5874x_1 + 2.866x_2 - 0.3791x_3 + 19.567x_4, \\ x_4 &\geq 0.72. \end{aligned} \quad (5)$$

TABLE 3: Coupled factors and relative intensity of outburst in coal and gas.

Test number	Factors				Results of experiments
	Moisture (%)	Geostress (MPa)	Porosity (%)	Gas pressure (MPa)	Relative intensity (%)
1	0	3.4	3.1	1.5	39.2
2	3.6	1.9	3.3	0.75	10.9
3	2.6	1.8	2.3	1	24.1
4	2.4	2	3.6	0.75	16.5
5	3.6	1.3	2.4	1.5	17.2
6	2.8	3.3	0.5	0.75	23.57
7	3.4	3.4	1.7	1	19.2
8	2.6	4	3.3	1	24.5
9	4	4	3.1	1	23.8
10	4.8	3	2.8	0.75	19.23
11	3.6	4	3.3	1	22.9
12	8	3.8	2.2	0.5	0
13	2.8	4	3.6	1.5	26
14	7.2	1	3.6	1	5.87
15	7.2	2.1	1.4	1	18.5
16	0	0.6	0.6	0	0

Remarks: moisture: level 1 (0–2.7), level 2 (2.7–5.4), and level 3 (5.4–8); geostress: level 1 (0–1.33), level 2 (1.33–2.66), and level 3 (2.66–4); porosity: level 1 (0–1.2), (1.2–2.4), and level 3 (2.4–3.6); gas pressure: level 1 (0–0.5), level 2 (0.5–1), and level 3 (1–1.5).

