Correction to: An efficient linear scheme to approximate nonlinear diffusion problems

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The original article has been published by the publisher without author's approval. The figures and citations in the publication of the original article were corrected. The corrected details are given below for your reading.

Figures 1, 2 should be replaced with Fig. 1; Figures 3, 4 should be replaced with Fig. 2; Figures 5, 6 should be replaced with Fig. 3; Figures 7, 8 should be replaced with Fig. 4; Figures 9, 10 should be replaced with Fig. 5; and Figures 11, 12 should be replaced with Fig. 6.

The citations should be changed in the text as below.

Fig. 10 → Fig. 5(b)

Fig. 1 → Fig. 1(a)

The left figure of Fig. 2 → Fig. 1(b)

the right figure of Fig. 2 → Fig. 1(c)

Figs. 3 and 4 → Fig. 2

Figs. 5 and 6 → Fig. 3

Fig. 7 → Fig. 4(a)

Fig. 8 → Fig. 4(b)

Figs. 9 and 10 → Fig. 5

Fig. 11 → Fig. 6(a)

Fig. 12 → Fig. 6(b)

The online version of the original article can be found under <https://doi.org/10.1007/s13160-017-0279-3>.

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The corrected figures with captions are given in this erratum.
The original article was corrected.

Fig. 1 **a** The solution of the Stefan problem (38). **b, c** Numerical results for the Stefan problem (38). (i) the linear scheme (3), (ii) the linear scheme (7), (iii) the nonlinear scheme (2)

Fig. 2 **a** The solution of the porous medium Eq. (41) with $m = 2$. **b, c** Numerical results for the porous medium Eq. (41) with $m = 2$. (i) the linear scheme (3), (ii) the linear scheme (7), (iii) the nonlinear scheme (2)

Fig. 3 **a** The solution of the porous medium Eq. (41) with $m = 6$. **b, c** Numerical results for the porous medium equation (41) with $m = 6$. (i) the linear scheme (3), (ii) the linear scheme (7), (iii) the nonlinear scheme (2)

Fig. 4 **a** The ‘solution’ of (42). **b** Numerical results for (42). (i) the linear scheme with μ_i fixed, (ii) the linear scheme (7)

Fig. 5 **a** Type of matrices arising in the linear scheme (7) in one space dimension. **b** Type of matrices arising in the nonlinear scheme (4) in one space dimension

Fig. 6 **a** The ‘solution’ of (44). **b** Numerical results for (44). (i) the linear scheme with μ_i fixed, (ii) the linear scheme (7)