ERRATUM

In A. Dimakis and F. Müller-Hoissen “Burgers and Kadomtsev–Petviashvili hierarchies: A functional representation approach” (Vol. 152, No. 1, July, 2007) on page 936, Proposition 1 and footnote 3 should be as follows:

Proposition 1. *Equation (3.5) is a functional representation of the Cole–Hopf transformation*

$$\phi = f_x f^{-1}, \quad (3.6)$$

$$\partial_{t_n} f = \partial_x^n f, \quad n = 2, 3, \dots \quad (3.7)$$

Any invertible f that solves linear “heat hierarchy” (3.7) determines a solution of the Burgers hierarchy via (3.6).³

The Editorial Board apologizes for this error.

³Conversely, if ϕ solves the Burgers hierarchy, then we choose f such that $f_x = \phi f$. Then

$$0 = \Omega(\lambda)f = (\partial_x - \phi_{-[\lambda]})[\lambda^{-1}(f - f_{-[\lambda]}) - f_x]$$

implies that f solves the heat hierarchy if $\partial_x - \phi_{-[\lambda]}$ is invertible.

Translated from *Teoreticheskaya i Matematicheskaya Fizika*, Vol. 152, No. 2, p. 416, August, 2007.