

Interactive comment on “Combining flow routing modelling and direct velocity measurement for optimal discharge estimation” by G. Corato et al.

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Unfortunately, an error was made in Eq. (14) on page 2711 during the typesetting process. Below, you find the correct text from line 1 to line 11:

Equations (11)-(12) can be written in the following dimensionless form:

$$\frac{\partial \eta}{\partial \tau} - \frac{\partial}{\partial \xi} \left(\eta^{5/3} \frac{\nabla_{\xi} \Psi}{\sqrt{|\nabla_{\xi} \Psi|}} \right) = Q \quad (14a)$$

$$\Psi = -i\xi + \eta \quad (14b)$$

and

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$$\eta|_{\xi=0} = \eta_0 + \eta'_0 \tau \quad \text{with} \quad \eta'_0 = \left. \frac{d\eta}{d\tau} \right|_{\xi=0} \quad (15a)$$

$$\left. \frac{\partial \Psi}{\partial \xi} \right|_{\xi=1} = -i \quad (15b)$$

It is worth to notify that solution η of Eqs. (14)-(15) depends, at a given point (η, τ) , on parameters i only (in Eqs. 14b and 15b), η_0 and η'_0 (in Eq. 15a). If we assume the most severe condition $\eta_0 = 0$, it is $\eta = \eta(i, \eta')$. Observe that parameter η'_0 is function of n , because:

$$\eta'_0 = h'_0 \frac{n}{L^{2/3}} \quad (16)$$

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