

## Erratum to: Streamline simulation of water-oil displacement in a heterogeneous fractured reservoir using different transfer functions

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Some errors occurred in the online version of paper OGST170196, one should read:

### Equation 12:

Correct form:

$$\tau = \int_0^s \frac{\emptyset}{|\bar{u}(\delta)|} d\delta \quad (12)$$

Instead of wrong form:

$$\tau = \int_0^s \frac{\varphi}{|\bar{u}}(\delta)| d\delta, \quad (12)$$

### Equation 20:

Correct form:

$$(S_{wf})_i^{n+1} = (S_{wf})_i^{int} - \frac{T_i^n}{\phi_f} \Delta t_{sl} \quad (20)$$

Instead of wrong form:

$$(S_{wf})_i^{int} = (S_{wf})_i^{int} - \frac{T_i^n}{\phi_f} \Delta t_{sl}, \quad (20)$$

### Equation 22:

Correct form:

$$(S_{wf})_i^{int} = (S_{wf})_i^n - \frac{\Delta t_{sl}}{\Delta \tau} \left( f_{wf} \left( S_{wf,i}^n \right) - f_{wf} \left( S_{wf,i-1}^n \right) \right) \quad (22)$$

Instead of wrong form:

$$(S_{wf})_i^{int} = (S_{wf})_i^{n-\frac{\Delta t_{sl}}{\Delta \tau}} \left( f_{wf} \left( S_{wf,i}^n \right) - f_{wf} \left( S_{wf,i-1}^n \right) \right) \quad (22)$$