



Corrigendum

Corrigendum to “Dual Focal Loss to address class imbalance in semantic segmentation” [Neurocomputing 462 (2021) 69–87]



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The authors regret to inform that two equations in the mentioned published paper have errors. The errors and the corresponding corrections are as follows:

Correction#1: Equation (9), Page 71.

Incorrect (the present) version	$L_{nDFL} = -\sum_i^c (y_{i,n} \log(z_{i,n}) + \beta(1 - y_{i,n}) \log(\rho - z_{i,n}) + \alpha(y_{i,n} - z_{i,n}))$
Correction	$L_{nDFL} = -\sum_i^c (y_{i,n} \log(z_{i,n}) + \beta(1 - y_{i,n}) \log(\rho - z_{i,n}) - \alpha(y_{i,n} - z_{i,n})^y)$

Correction#2: Equation (13), Page 71.

Incorrect (the present) version	$\frac{\partial L_{nDFL}}{\partial z_{i,n}} = \frac{-y_{i,n}}{z_{i,n}} + \frac{1-y_{i,n}}{1-z_{i,n}} + \frac{ y_{i,n}-z_{i,n} }{y_{i,n}-z_{i,n}}$
Correction	$\frac{\partial L_{nDFL}}{\partial z_{i,n}} = \frac{-y_{i,n}}{z_{i,n}} + \frac{1-y_{i,n}}{1-z_{i,n}} - \frac{ y_{i,n}-z_{i,n} }{y_{i,n}-z_{i,n}}$

The authors would like to apologise for any inconvenience caused.

Abbreviation: DFL, Dual Focal Loss.

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