## Erratum to "Damage-plastic model for concrete failure", International Journal of Solids and Structures 43, 7166–7196, 2006.

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## Required corrections:

The paper entitled "Damage-plastic model for concrete failure" contains the correct description of all the governing equations of the model, but Eq. (58) reflecting the dependence of parameter  $F_h$  on other parameters contains a misprint. The expression on the right-hand side should have the opposite sign, and so the correct form of that equation is

$$F_{\rm h} = \frac{\left(B_{\rm h} - D_{\rm h}\right)C_{\rm h}}{A_{\rm h} - B_{\rm h}}$$

Furthermore, all examples presented in the paper were calculated by a computer code with Eqs. (54) and (59) implemented in a slightly modified form:

$$\dot{\kappa}_{\mathrm{p}} = \frac{\|\dot{\boldsymbol{\varepsilon}_{\mathrm{p}}}\|}{x_{\mathrm{h}}(\bar{\sigma}_{\mathrm{V}})} (2\cos\bar{\theta})^{2} = \frac{\dot{\lambda}\|\mathbf{m}\|}{x_{\mathrm{h}}(\bar{\sigma}_{\mathrm{V}})} (2\cos\bar{\theta})^{2}$$

$$k_{\mathrm{p}}(\bar{\boldsymbol{\sigma}}, \kappa_{\mathrm{p}}) = \frac{\|\mathbf{m}(\bar{\boldsymbol{\sigma}}, \kappa_{\mathrm{p}})\|}{x_{\mathrm{h}}(\bar{\boldsymbol{\sigma}} : \boldsymbol{\delta}/3)} (2\cos\bar{\theta})^{2}$$

These equations differ from the original ones only by the factor 2 that multiplies  $\cos \bar{\theta}$  (which was motivated by the fact that  $\cos \bar{\theta} = 0.5$  under uniaxial compression). Since the multiplicative factor is constant, the general form of the model remains unaffected, but the results published in the paper can be reproduced with the reported values of model parameters only if the factor is included. Alternatively, one could use the equations as published in the original paper and adjust the model parameters accordingly: The values of parameters  $A_h$ ,  $B_h$ ,  $D_h$  and  $E_h$  would need to be divided by 4.

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