

# CivilFEM Class3 Error report

**ERROR Number:** 2017003

**BUG Number:** D-02162

**First incorrect version:** 11.0

**Will be corrected in version:** 18.1

## Description of the Error:

Limiting value for effective axial stress in concrete  $\sigma'_{cd}$  is not correctly computed in EHE code for out of plane check and design for shell elements. The following limitation values are not taken into account in the final value of effective axial stress:

$$\sigma'_{cd} < 0.30 \cdot f_{cd} \leq 12 \text{ MPa (Compression positive)}$$

Besides, limiting value of 2 for  $\xi$  is not taken into account as well:




$$\xi = 1 + \sqrt{\frac{200}{d}}, d \text{ in mm} < 2$$

## Suggested User Action For Running on Uncorrected Version:

$\sigma'_{cd}$  and  $\xi$  values affect the contribution to the shear strength,  $V_{cu}$ ,  $V_{u2}$ . There is no suggested action.

## Comments:

This error affects EHE 98 and EHE 2008 codes.

25/04/2017	21/04/2017
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