

## CivilFEM Class3 Error report

**ERROR Number:** 2018005

**BUG Number:** D-03423

**First incorrect version:** CivilFEM 5.7.1

**Corrected in:** CivilFEM 19.1

**Description of Error:**


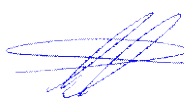
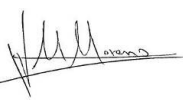
Error in calculated elastic critical moment for lateral-torsional buckling on uniform symmetrical cross-sections about the minor axis (Annex F, ENV 1993-1-1:1992). This error also affects the Indian code IS 800 2007.

**Suggested User Action For Running on Uncorrected Version:**

**Comments:**

Error occurs while calculating the integration of :

$$Z_j = Z_s - \frac{0.5}{I_y} \int_A (y^2 + z^2) z \, dA$$

12/09/2018  <div style="text-align: center;">   <span style="font-size: 2em; font-weight: bold;">X</span> </div> <hr style="border: 1px solid black; margin: 5px 0;"/> Corrected by Firmado por: Javier Carro	14/09/2018  <div style="text-align: center;">   <span style="font-size: 2em; font-weight: bold;">X</span> </div> <hr style="border: 1px solid black; margin: 5px 0;"/> Reviewed by Firmado por: Alberto Mota
18/09/2018  <div style="text-align: center;">   <span style="font-size: 2em; font-weight: bold;">X</span> </div> <hr style="border: 1px solid black; margin: 5px 0;"/> Approval Firmado por: José M. Moreno	