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A simplified flange-lip model for distortional buckling of cold-formed steel channel-sections with stiffened web

Xu-hao Huang , Jian Yang , Qing-feng Liu , Jue Zhu , Li Bai ,
Fei-liang Wang , Jian-hua Wang

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Highlights

- A simplified flange-lip model is proposed to analyze the distortional buckling of CFS thin walled -section.
- The equivalent orthotropic plate model is employed to analyze the local buckling of thin walled sections.
- The simplified model can be adopted in the direct strength method (DSM).

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