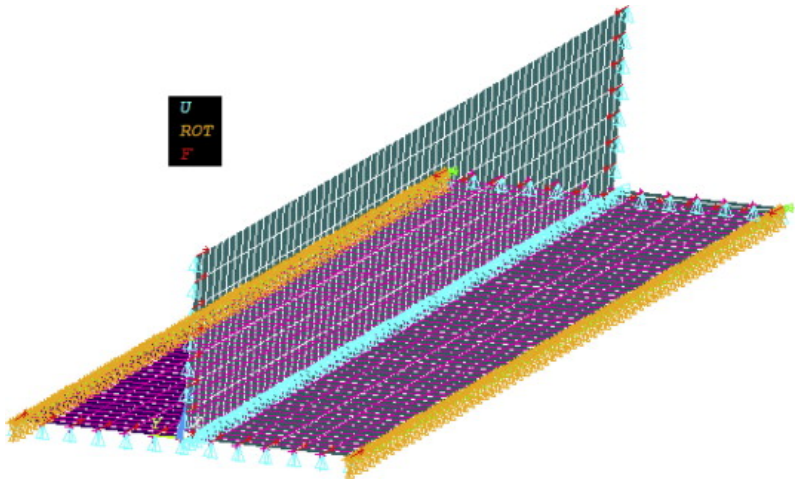

From: Ahmad Rahbar-Ranji, "Effective breadth/web concept for elastic coupled buckling analysis in flat-bar stiffened plates", Engineering Structures, Vol. 80, pp 316-322, December 2014

Professor Ahmad Rahbar-Ranji

See:
https://scholar.google.com/citations?user=8ZrWFw4AAAAJ&hl=en
https://www.researchgate.net/profile/Ahmad_Rahbar

Department of Ocean Engineering
AmirKabir University of Technology

Research Interests:
Ship structure; Structural analysis; Solid mechanics, Buckling of stiffened plates; fracture mechanics

Selected Publications:
Rahbar-Ranji A 2001 Stress analysis of a randomly undulated plate due to corrosion in marine structures. Ph.D. Thesis, Yokohama National University, Department of Naval Architecture, Japan
Rahbar-Ranji A and Zakeri A H 2010 Mechanical properties and corrosion resistance of normal strength and high strength steels in chloride solution. J. Naval Arch. Mar. Eng. 7: 93–100
Rahbar-Ranji A 2012a Plastic collapse load of corroded steel plates. Sadhana—Academy Proceed. Eng. Sci. 37(3): 341–349
Rahbar-Ranji A 2012b Ultimate strength of corroded steel plates with irregular surfaces under in-plane compression. Ocean Eng. 54: 261–269
Rahbar-Ranji A 2012c Elastic buckling analysis of longitudinally stiffened plates with flat-bar stiffeners. Ocean Eng. 58: 48–59
Ahmad Rahbar-Ranji, "Elastic tripping analysis of angle bars and permanent means of access structures", Ocean Engineering, Vol. 53, pp 128-137, October 2012
A. Rahbar Ranji and H. R. Hoseynabadi, A semianalytical technique for bending analysis of cylindrical panels with general loading and boundary conditions, Journal of Mechanical Science and Technology, 26 6 (2012) 1711–1718.
Rahbar-Ranji A 2013a Elastic buckling strength of corroded steel plates. Sadhana—Academy Proceed. Eng. Sci. 38(1): 89–99

Rahbar-Ranji A 2013b Elastic coupled buckling analysis in stiffened plates with T-bar stiffeners. Proc. IMechE Part C: J. Mech. Eng. Sci. 227(6): 1135–1149
Rahbar-Ranji A 2013 Shear buckling strength of corroded steel plates with irregular surfaces. J. Zhejiang University-SCIENCE A (Applied Physics and Eng), doi:10.1631/jzus.A1200163, (in press)
Shahed Jafarpour Hamedani and Ahmad Rahbar Ranji, "Buckling analysis of stiffened plates subjected to non-uniform biaxial compressive loads using conventional and super finite elements", Thin-Walled Structures, Vol. 64, pp 41-49, March 2013
Rahbar-Ranji A 2014a Buckling Analysis of Partially Corroded Steel Plates with Irregular Surfaces. Sadhana—Academy Proceed. Eng. Sci. 39(2): 511–524
Rahbar-Ranji A 2014b Elastic tripping analysis of corroded stiffeners in stiffened plate with irregular surfaces. J. Mech. Sci. Technol. 28(9): 3629–3636
Ahmad Rahbar-Ranji, "Effective breadth/web concept for elastic coupled buckling analysis in flat-bar stiffened plates", Engineering Structures, Vol. 80, pp 316-322, December 2014
Ahmad Rahbar-Ranji, "Elastic buckling analysis of corroded stiffened plates with irregular surfaces", Sadhana, Vol. 40, No. 1, pp 199-213, February 2015
Arash Shahbaztabar and Ahmad Rahbar Ranji, "Effects of in-plane loads on free vibration of symmetrically cross-ply laminated plates resting on Pasternak foundation and coupled with fluid", Ocean Engineering, Vol. 115, pp 196-209, March 2016