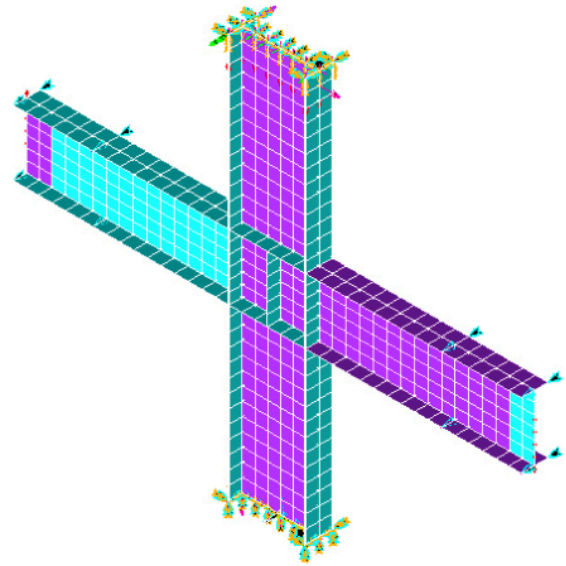




**Professor Behrokh Hosseini Hashemi**



**Figure 4 – Analytical model of specimen 8**

From: B. Hosseini Hashemi and R. Ahmady Jazany, “The continuity plate effect on panel zone ductility with unequal beams height on both sides of column in SMRF”, Proceedings of the 14<sup>th</sup> world conference on earthquake engineering (WCEE), Beijing, China, 2008

See:

<http://www.iiees.ac.ir/en/behrokh-hosseini-hashemi/>

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B. Hosseini Hashemi, A Consistent Approach to the Buckling Design Analysis of Rigid Jointed Frames, U. C. L., Ph.D., Thesis, Oct. 1992.

Hosseini Hashemi, B. "Effects of imperfection on load carrying capacity of columns", IIEES bulletin, No. 1, Autumn 1998

Hosseini Hashemi, B. "A second order analysis by modal participation techniques", Proceeding of the third international conference on seismology & earthquake engineering, SEE-3, Vol. 3, May 1999, Tehran, I.R.Iran

Hosseini Hashemi, B. "An investigation on the behavior of the R.C. structural members & connections due to the Turkey earthquake, Izmit, August 17, 1999", IIEES bulletin, No. 4, Winter 1999

Alemi, F. & Hosseini Hashemi, B. "A comparison between the seismic behavior of Knee-Braced-Frames with Concentric-Braced-Frames", IIEES bulletin, No. 1, Spring 2000

Hosseini Hashemi, B. "Column Buckling Test" submitted to Journal of constructional steel research

Hosseini Hashemi, B. "Non-linear Imperfection Analysis" submitted to Journal of structural engineering, ASCE

Hosseini Hashemi, B. "Simplified non-linear elastic analysis", submitted to ASCE

Hosseini Hashemi, B. "Generalized A-P method for elastic-plastic failure criteria of beam-columns", submitted to Engineering Journal

Hosseini Hashemi, B. "Limited Frame Buckling Test" submitted to Journal of constructional steel research.

B. Hosseini Hashemi and R. Ahmady Jazany, "The continuity plate effect on panel zone ductility with unequal beams height on both sides of column in SMRF", Proceedings of the 14<sup>th</sup> world conference on earthquake engineering (WCEE), Beijing, China, 2008

Hosseini Hashemi, B. & Parvari, A. "Seismic Evaluation of Bending Strength of Steel Frame No Special Designed with Standard third edition 2800 & The 4th National Conference standard -2800 , November 2009, Tehran, Iran

Hosseini Hashemi, B. & Parvari, A. "Comparison at the performance at steel SMRF whit steel OMRF Designed With Tranian Standard 2800 (v.3 ) & 5th National Congress on Civil Engineering, May 4-6, 2010, Ferdowsi University of Mashhad, Mashhad, Iran

Parvari, A. & Hosseini Hashemi, B. & Sarvghad A . "Assessment of the 2800 standard design spectrum at the Target Displacement steel Moment Frame and Comparison white the UBC spectrum & 9th International Congress on Civil Engineering, May 8-10-2012

A. Poursamad Bonab and B. Hosseini Hashemi, "Analytical investigation of cyclic behavior of laced built-up columns", Journal of Constructional Steel Research, Vol. 73, pp 128-138, June 2012

Behrokh Hosseini Hashemi and Mohammad Ali Jafari, "Experimental evaluation of cyclic behavior of batten columns", Journal of Constructional Steel Research, Vol. 78, pp 88-96, November 2012

A. Poursamad Bonab, B. Hosseini Hashemi and Mahmood Hosseini, "Experimental evaluation of the elastic buckling and compressive capacity of laced columns", Journal of Constructional Steel Research, Vol. 86, pp 66-73, July 2013

Hosseini Hashemi, B., Alirezaei. M. (2015) Experimental investigation of a combined system for maximum energy dissipation in braced frames. Journal of Seismology and Earthquake Engineering, 17(3), 181-191.

Hosseini Hashemi, B. and Alirezaei, M. (2015) Evaluation of the use of EKBs to improve seismic performance of steel frames. Submitted to International Journal of Steel Structures.