



Department of Civil Engineering, Sharif University of Technology



دکتر مسعود موفید

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516 ,Civil Engineering Department

RESEARCH INTERESTS

- PHD 1986-1989 PhD in Structural Dynamics, Rice University, Houston Texas.
- MSC 1984-1986 M.S. in civil Engineering, Rice University, Houston Texas.
- BSC 1971-1976 B.S in Civil Engineering, Tehran University, Tehran, Iran.

EDUCATIONAL BACKGROUND

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| Associate Professor | Civil Engineering Department, Sharif University of Technology, Tehran, Iran |
| Assistant Professor | Civil Engineering Department, Sharif University of Technology, Tehran, Iran |

Teaching

Teaching and instruction of basic and advance engineering courses, extensive research in the area of engineering mechanics and structural dynamics, publications, application and implementation of finite element technique in static and dynamic problems with emphasis on theory and design, familiarity with GTSTRUDL, PAFEC, BASE PLATE II, SAP90, ETABS, IMAGES-3D, ANSYS, STAAD3D and FORTRAN.



Professional and Honorary Societies

Chi Epsilon

American Society of Civil Engineers

American society of Mechanical Engineers

Refereed Journals

Shadnam, M. R., Mofid, M. and Akin, J. E., " On the dynamic response of rectangular plate, with moving mass", Journal of Thin Walled Structures, Reference number TWS 2579, To appear in 2001,

Mofid, M. and McCabe, S L., " An analytical model of extended end plate semi-rigid connections, using plate theory ", Journal of Thin Walled Structures, 39, p. 307-325, 2001.

Mofid, M. and McCabe, S L., "On a new approach for finding the kern of the sections ", Journal of Engineering Structures", Reference number JEST 1018, To appear in 2001,

Mofid, M., Alizadegan, R. and Yavari, A., " The ascertainment of the kern of a general cross-section", Journal of Advances in Engineering software, Reference number ADES 658, To appear in 2001

Shadnam, M. R., Rahimzadeh, F. and Mofid, M. " Periodicity in the response of nonlinear Plate, under moving mass", Journal of Thin Walled Structures, Reference number TWS 4009, To appear in 2001,

Mofid, M. and Khosravi, P., "Non-linear analysis of disposable knee bracing", Computer and Structures, Vol. 75, No 1, P. 65-72, Feb. 2000.

Farahani, K., Mofid, M. and Vafai, A.A solution method for general contact-impact problems", Computer Method in Applied Mechanics and Engineering, Vol. 187, p 69-77, 2000.

Mofid, M. and Shadnam, M.R., "On the response of beams with internal hinges, under moving mass", Advances in Engineering software, Vol. 31, p. 323-328, 2000.

Mofid, M. and Yavari, A., "Bending of unbounded multiplayer beams and plates", Mechanics Research Communications, Vol. 26, No.1, 1999.

Mofid, M. and Yavari, A., "On the kern of a general cross section, International Journal of Solid and Structures, Vol. 37, No.17, P. 2377 - 2403, April 2000.



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Mofid, M., Vafai, A. and Farahani, K., "Finite element solution of Dirichlet's nonlinear partial differential equation with mixed boundary conditions", Computer Methods in App. Mech. and Eng. 169, P.81-88, 1999.

Vafai, A., Mofid, M. and Estekanchi, H., "Experimental study of prefabricated funicular shell units", Journal of Engineering Structures, Vol. 19, 1997.

Mofid, M., and Akin, J. E., "Discrete element response of beams with traveling mass", Advances in Engineering Software, Vol. 25, 1996.

Vafai, A., Estekanchi, H., and Mofid, M., "The use of single diagonal bracing in improvement of the lateral response of tall building", The Structural Design of Tall Buildings, Vol.4, 1995.

Mofid, M. and Akin, J. E., "A numerical solution for response of beams subjected to moving mass", Journal of Structural Division, ASCE, Jan. 1989.

Conference Proceeding

Mofid, M. and Shadnam, M.R., "On the interaction diagrams for the composite sections of nonlinear geometries", The 7th Int. conf. on computer technique for civil and Structural Engineering, Oxford, UK, 1999.

Mofid, M. and Shadnam, M.R., "On the dynamic response of a beam on a tensionless elastic foundation", The 7th Int. Conference on computing developments in civil and structural engineering, Oxford, UK, 1999.

Mofid, M. and Shadnam, M.R., "An analytical approach to design of beams with moving mass", The 4th Asia - Pasific conference on computational mechanics, Singapore, 1999.

Mofid, M. and Yavari, A., "Element stiffness matrix and second order tensors" Proceeding of the 6th East Asia- Pacific conference on structural engineering & construction, Taipei, Taiwan, 1998.

Mofid, M. and Yavari, A., "An energy approach for a special problem in bending of beams" Proceeding of 4th Inter. conf. in civil engineering , Tehran -Iran , 1997.

Mofid, M. and Shadnam, M.R., "An analytical method for finding the kern of the sections", Proceeding of 7th International conference on computing in civil and building engineering, Seoul, Korea, 1997.

Mofid, M., "A finite element solution of beam with traveling mass", Proceeding of the 3rd Asian-Pacific conference on computational mechanics, Seoul, Korea, 1996.

Vafai, A., Mofid, M. and Estekanchi, H., "A study of concrete funicular shells subjected to concentrated load", Proceeding of CMEA 1995, Italy, 1995.



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Mofid, M. and Manshari, M., "Linear elastic behavior of separated/ translated bracing system interacted with elastic diaphragm in structures", Proceeding of the 3rd International Conference on steel and aluminum structures, JCSAS, Turkey, 1995.

Vafai, A. Mofid, M. and Estekanchi, H., "Study of concrete funicular shells subjected to uniform load", Proceeding of 6th Int. conference on civil and structural engineering computing, Cambridge, UK, 1995.

Mofid, M., and Manshari, M., "Development of criteria for using of bracing and shear walls in tall buildings", Proceeding of the 5th International conference on steel structures, Jakarta, Indonesia, 1994.

Vafai, A., Estekanchi, H., and Mofid, M., "A new feature of bracing system in tall buildings", Proceeding of the 5th International conference on steel structures, Jakarta, Indonesia, 1994.

Mofid, M., "Discrete element model for beam on elastic foundation", Proceeding of the 3rd Inter. Kerensky conference on structural engineering, Singapore, 1994.

Mofid, M., "A discrete element model for beam with moving mass", Proceeding of the 5th International conference on civil and structural engineering, Edinburgh, U.K. 1993.