



Professor Mohammad Reza Forouzan

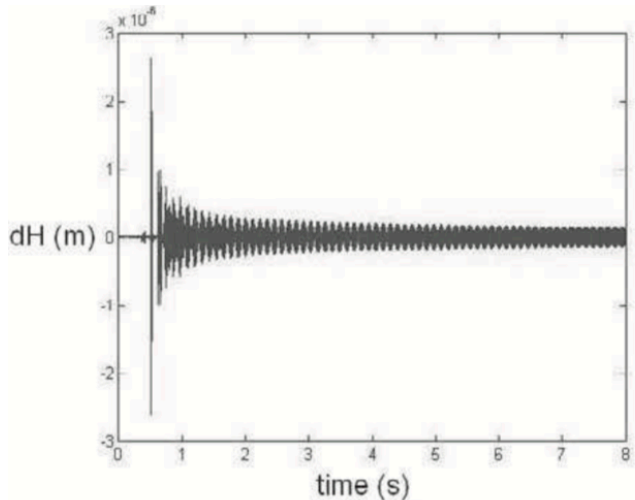


Figure 9. Vibrational response of the system in optimal point.

From: Mohammad Reza Niroomand, Mohammad Reza Forouzan, Mohammad Fasihfar and Mahmoud Salimi, "Chattering control based algorithm for nonlinear optimization of 5-strands cold strip rolling process parameters", *Steel Research International*, Vol. 81, No. 9, September 2010

See:

<https://ir.linkedin.com/in/mohammad-reza-forouzan-73a22985>

<https://forouzan.iut.ac.ir/>

<https://scholar.google.com/citations?user=bUaxXiMAAAAJ&hl=en>

https://www.researchgate.net/scientific-contributions/2100126210_Mohammad_Reza_Forouzan

Mechanical Engineering Department
Isfahan University of Technology, Isahan, Iran

Selected Publications:

Mohammad Reza Forouzan, Iman Kiani, Mohammad Reza Niroomand and Mahmoud Salimi, "Analysis of chatter vibration in cold strip rolling, Part II: Optimization of the process parameters", *Steel Research International*, Vol. 19, January 2008

Mohammad Reza Niroomand, Mohammad Reza Forouzan, Mohammad Fasihfar and Mahmoud Salimi, "Chattering control based algorithm for nonlinear optimization of 5-strands cold strip rolling process parameters", *Steel Research International*, Vol. 81, No. 9, September 2010

Sepahi, O., Forouzan, M. R. and Malekzadeh, P. [2010] "Post-buckling analysis of variable cross-section cantilever beams under combined load via differential quadrature method," *KSCIE Journal of Civil Engineering* **14**(2), 207–214.

Sepahi, O., Forouzan, M.R., Malekzadeh, P.: Differential quadrature application in post-buckling analysis of a hinged-fixed elastica under terminal forces and self-weight. *J. Mech. Sci. Technol.* **24**, 331–336 (2010)

O. Sepahi, M. R. Forouzan and P. Malekzadeh, "Large Deflection Analysis of Thermo-Mechanical Loaded Annular FGM Plates on Nonlinear Elastic Foundation via DQM," *Composite Structures*, Vol. 92, No. 10, 2010, pp. 2369-2378.

O. Sepahi, M. R. Forouzan and P. Malekzadeh, Free Vibration analysis of triply coupled pre-twisted rotor blades by the differential quadrature method, *Int. J. Struct. Stab. Dyn.* **11** (01) (2011) 127–147.

Karamooz Ravari MR, Forouzan MR (2011) Frequency equations for the in-plane vibration of orthotropic circular annular plate. *Arch Appl Mech* 81:1307–1322

Sepahi, O., Forouzan, M.R., Malekzadeh. P. (2011). Thermal buckling and postbuckling analysis of functionally graded annular plates with temperature-dependent material properties. *Materials and Design* 32:4030–4041.

Forouzan M.R., Mirfalah Nasiri S.M., Mokhtari A., Heidari A. and Golestaneh S.J. “Residual stress prediction in submerged arc welded spiral pipes”, *Materials and Design*, 33, 384–394, 2012.

Ali Heidari, Mohammad Reza Forouzan and Mohammad Reza Niroomand, “Development and evaluation of friction models for chatter simulation in cold strip rolling”, *International Journal of Advanced Manufacturing Technology*, Vol. 96, pp 2055-2075, 2018

Mohammad R. Hosseini A., Mohammad R. Forouzan and Ehsan Daneshkhah, “Damage and residual bending strength in glass-polyester molded grating composite panels after low-velocity impact”, *Composite Structures*, Vol. 227, Article 111290, 1 November 2019

Mohammad Reza Niroomand, Mohammad Reza Forouzan and Ali Heidari, “Experimental analysis of vibration and sound in order to investigate chatter phenomenon in cold strip rolling”, *International Journal of Advanced Manufacturing Technology*, Vol. 100, pp 673-682, 2019