



Figure 6: Six Resultant Mode Shape Of Camshaft

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Reference

- [1] Kolchin & V. Demidov, 'Design of Automotive Engines', MIR Publication, Moscow.
- [2] Hansong Xiao and Jean W. Zu, Cam profile optimization for a new cam drive. Journal of Mechanical Science and Technology, Department of Mechanical Engineering and Industrial Engineering, University of Toronto, vol. 23/2592-2602 (December 4, 2007)
- [3] K. Deb, Optimization for engineering design, an efficient constraint handling method for genetic algorithms,
- [4] de Boor, Springer-Verlag, New York, USA, (1978), A Practical Guide to Splines.
- [5] Samuel Johnson, CAM design, it is much easier to design than to perform
- [6] A.S.Dhavale, Study of Modelling and Fracture Analysis of Camshaft, V.R.Muttagi, International Journal of Engineering Research and Applications, vol. 2/ 835-842(November- December 2012)
- [7] Mahesh R. Mali1, Prabhakar D. Maskar, Shravan H. Gawande, Jay S. Bagi, Design Optimization of Cam & Follower Mechanism of an Internal Combustion Engine for Improving the Engine Efficiency, Journal of Modern Mechanical Engineering, vol. 2/114-119 (March 29, 2012)
- [8] Philippe de Abreu Duque, Dr.-Ing. Mauro Moraes de Souza, Juliano Savoy, Carlos Coelho, Neumayer Tekfor Tech Center Brazil, Virtual Powertrain Conferences, Contact pressure between cams and roller followers through Finite Elements Method (FEM) in assembled camshafts.

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