



























## REFERENCES

- [1] Predrag D. Milenković, Saša J. Jovanović, Aleksandra S. Janković, Milan D. Milovanović, Nenad D. Vitošević, Milan V. Djordjević, and Mile M. Raičević, *The Influence of Brake Pads Thermal Conductivity on Passenger Car Brake System Efficiency*, THERMAL SCIENCE, Vol. 14, Suppl., pp. S221-S230, **2010**.
- [2] M. Z. Akop, R. Kien, M. R. Mansor, and M.A. Mohd Rosli, *Thermal stress analysis of heavy truck brake disc rotor*, Journal of Mechanical Engineering and Technology, vol. 1, no. 1, July-December, **2009**.
- [3] Marko Reibenschuh, Grega Oder, Franci Cus, Iztok Potrc, *Modelling and Analysis of Thermal and Stress Loads in Tray Disc Brakes-Braking from 250 km/h to Standstill*, Strojnikski vestnik-Journal of Mechanical Engineering 557-8,494-502, **2009**.
- [4] [http://www.efunda.com/materials/elements/TC\\_Table.cfm?Element\\_ID=Fe](http://www.efunda.com/materials/elements/TC_Table.cfm?Element_ID=Fe).
- [5] W. L. Guesser, I. Masiero, E. Melleras, C. S. Cabezas, *Thermal Conductivity of Gray Iron and Compacted Graphite Iron Used for Cylinder Heads*, Rev. Mat., Vol. 10, no. 2, pp. 265-272, ISSN 1517-272, June **2005**.
- [6] Rena L. Hecht, Ralph B. Dinwiddie, Wallace D. Porter, Hsin Wang, *Thermal Transport Properties of Grey Cast Irons, SAE 962126* at <http://www.osti.gov/bridge/servlets/purl/391701-W8xmvM/webviewable/391701.pdf>.
- [7] Arthur Stephens, *Aerodynamic Cooling of Automotive Disc Brakes*, a thesis submitted in accordance with the regulations for the degree of Master of Engineering School of Aerospace, Mechanical & Manufacturing Engineering RMIT University, March **2006**.
- [8] Spulber, C., Voloacă, Ș., *A contribution on experimental determination of emissivity variation of a disc brake by image analysis*, The 6<sup>th</sup> international colloquium "Mathematics and Physics in Engineering, Numerical Physics and Complexity" joint with the 2<sup>nd</sup> International Colloquium "Physics of Materials", University "Politehnica" of Bucharest, Romania, 8 october **2010**; Annals of the Academy of Romanian Scientists, Series on Science and Technology of Information, Vol. 3, No. 2, pp. 61-72, **2010**.
- [9] Spulber, C., Voloacă, Ș., *Uncertainty of the disc brake thermal stress measured by thermography*, Annals of the Academy of Romanian Scientists, Series on Science and Technology of Information, Vol. 4, No 1, pp. 111-123, **2010**.
- [10] Peter Blum, *PP Handbook*, cap. 8, pp. 8-11, November **1997**.

- [11] Vikas Adarsh Narang, *Heat Transfer Analysis in Steel Structures*, a thesis submitted to the Faculty of the WORCESTER POLYTECHNIC INSTITUTE in partial fulfillment of the requirements for the Degree of Master of Science in Civil Engineering, May **2005**.
- [12] S. Koetnuyom, P.C. Brooks, and D.C. Barton, *The development of a material model for cast iron that can be used for brake system analysis*, Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, Vol. 216, No. 5, pp. 349-362, **2002**.
- [13] Ji Hoon Choi, and In Lee, *Transient thermoelastic analysis of disk brakes in frictional contact*, Journal of Thermal Stresses, 26:223-244, **2003**.
- [14] \*\*\* MikroView 2.9, Software used in processing thermo graphic images, producer Mikron, SUA.
- [15] \*\*\* Termografie 1.0. Software used in processing thermo graphic images, producer Datagram, Romania.

