REFERÊNCIAS BIBLIOGRÁFICAS

176-1987 – IEEE STANDARD ON PIEZOELECTRICITY. **IEEE Ultrasonics, Ferroelectrics, and Frequency Control Society**, 1988.

ADILETTA, G.; GUIDO, A. R.; ROSSI, C.. Chaotic motions of a rigid rotor in short journal bearings. **Nonlinear Dynamics**, v. 10, n. 1, p. 251-269, 1996.

AGILENT TECHNOLOGIES. Impedance measurement handbook. 2006.

AIRLINE REPORTER. **Gas Turbines**. Disponível em: http://www.airlinereporter.com>. Acesso em: 08 jun. 2013.

AL-SHUDEIFAT, M. A.; BUTCHER, E. A.. New breathing functions for the transverse breathing crack of the cracked rotor system: approach for critical and subcritical harmonic analysis. **Journal of Sound and Vibration**, v. 330, n. 1, p. 526-544, 2011.

ANDERSON, T. L.. Fracture Mechanics. Taylor & Francis, 2005.

ASSIS, E. G.. Uso de técnicas de otimização para auxiliar o projeto e identificar parâmetros de máquinas rotativas. Universidade Federal de Uberlândia, 1999.

ASSIS, E. G.; STEFFEN Jr, V.. Inverse problem techniques for the identification of rotor-bearing systems. **Inverse Problems in Engineering**, v. 11, n. 1, p. 39-53, 2003.

BACHSCHMID, N.; PENNACCHI, P.; TANZI, E; VANIA, A.. Identification of transverse crack position and depth in rotor systems. **Meccanica**, v. 35, n. 1, p. 563-582, 2001.

BACHSCHMID, N.; PENNACCHI, P.; TANZI, E.. Cracked rotors: a survey on static and dynamic behaviour including modelling and diagnosis. Springer, 2010.

BATHE, K. J.; BAIG, M. M. I.. On a composite implicit time integration procedure for nonlinear dynamics. **Computers and Structures**, v. 83, n. 1, p. 2513-2524, 2005.

BENTLY, D. E.; HATCH, C. T.. Fundamentals of rotating machinery diagnostics. Bently Pressurized Bearing Company, Minden, NV, USA, 2002.

BRADON, J.. Nonlinear vibrations of cracked structures: perspectives and horizons. **Shock and Vibration Digest**, v. 32, n. 4, p. 273-280, 2000.

BUENO, D. D.. Controle ativo de vibrações e localização ótima de sensores e atuadores piezelétricos. Faculdade de Engenharia de Ilha Solteira, Universidade Estadual Paulista, 2007.

BURBANO, C. E. R.. **Diagnóstico de falhas em máquinas rotativas**. Universidade Federal de Uberlândia, 2005.

BURBANO, C. R.; STEFFEN Jr, V.. Diagnostics of cracked shafts by monitoring the transient motion response. In: International Symposium on Dynamic Problems of Mechanics, XII DI-NAME, 2007, Ilhabela, Brasil. **Anais**.

CAPONE, G.. Orbital motions of rigid symmetric rotor supported on journal bearings. **La Meccanica Italiana**, v. 1, n. 199, p. 37-46, 1986.

CARDEN, E. P.; FANNING, P.. Vibration based condition monitoring: a review. **Structural Health Monitoring**, v. 3, n. 5, p. 355-377, 2004.

CASTRO, H. F.; CAVALCA, K. L.. Non-linear hydrodinamic bearing force characterization under fluid-induced instability. In: XIII International Symposium on Dynamic Problems of Mechanics, DINAME, 2009, Angra dos Reis, RJ, Brazil, 2009. **Anais**.

CAVALINI Jr, A. A.; STEFFEN Jr, V.; MAHFOUD, J.. Crack identification approach for a beam-like structure. In: XV International Symposium on Dynamic Problems of Mechanics, DINAME, 2013, Buzios, Brasil. **Anais**.

CHILDS, D.. Turbomachinery rotordynamics: phenomena, modeling & analysis. John Wiley & Sons, INC., 1993.

COELHO, L. S.. Fundamentos, potencialidades e aplicações de algoritmos evolutivos. Notas em matemática Aplicada, São Carlos – SP, 2003.

DARPE, A. K.; GUPTA, K.; CHAWLA, A.. Coupled bending, longitudinal and torsional vibrations of a cracked rotor. **Journal of Sound and Vibration**, v. 269, n. 1, pp. 33-60, 2004.

DIMAROGONAS, A. D.. Vibration of cracked structures: a state of the art review. **Engineering Fracture Mechanics**, v. 55, n. 5, p. 831-857, 1996.

DOEBLING, S. W.; FARRAR, C. R.; PRIME, M. B.. A summary review of vibration-based damage identification methods. **Shock and Vibration Digest**, v. 30, n. 2, p. 91-105, 1998.

DUNKERLEY, S.. On the whirling and vibration of shaft. **Philosophical Transactions of the Royal Society of London**, v. 195, n. 1, p. 279-359, 1984.

EHRICH, F.F.. Handbook of Rotordynamics. McGraw-hill, 1992.

EISENMANN, R. C.; EISENMANN Jr, R. C.. **Machinery malfunction: diagnosis and correction**. Prentice Hall, Inc., 1998.

ENGELS, R. C.. Finite element modeling of dynamic behavior of some basics structural members. **Journal of Vibration and Acoustics**, v. 114, n. 1, p. 236-241, 1991.

FINZI NETO, R. M.; Steffen, V.; RADE, D. A.; Gallo, C. A.; PALOMINO, L. V.. A low-cost electromechanical impedance-based SHM architecture for multiplexed piezoceramic actuators. **Structural Health Monitoring**, v. 10, n. 1, p. 391-402, 2011.

FRISWELL, M. I.; PENNY, J. E. T.. Is damage location using vibration measurements practical? Structural damage assessment using advanced signal processing procedures. In: DAMAS 1997, p. 351-362, 1997, University of Sheffield, UK. **Anais**.

FRISWELL, M. I.; PENNY, J. E. T.. Crack modeling for structure health monitoring. **Structural Health Monitoring**, v. 1, n. 2, p. 139-148, 2002.

GASCH, R.. Dynamic behaviour of a simple rotor with a cross sectional crack. In: International Conference on Vibrations in Rotating Machinery, IMechE, v. 1, n. 1, p. 123-128, 1976. **Anais**.

GIURGIUTIU, V.; ROGERS, C. A.. Recent advancements in the eletro-mechanical (E/M) impedance method for structural health monitoring and NDE. In: 5th Annual International Symposium on Structures and Materials, 1998, San Diego, USA. **Anais**.

GIURGIUTIU, V.; ZAGRAI, A.. Damage detection in thin plates and aerospace structure with the electro-mechanical impedance method. **Structural Health Monitoring**, v. 4, n. 1, p. 99-118, 2005.

GREEN, I.; CASEY, C.. Crack detection in a rotor dynamic system by vibration monitoring – part I: analysis. **Journal of Engineering for Gas Turbines and Power**, v. 127, n. 1, pp. 425-436, 2005.

GRISSO, B. L.; INMAN, D. J.. Temperature corrected sensor diagnostics for impedance-based SHM. **Journal of Sound and Vibration**, v. 329, n. 1, p. 2323-2336, 2010.

HANKINE, B. J. M.. On the centrifugal force of rotating shafts. **The Engineer**, v. 1, n.1, 1 p., 1869.

HE, Y.; GUO, D.; CHU, F.. Using genetic algorithms and finite element methods to detect shaft crack for rotor-bearing system. **Mathematics and Computers in Simulation**, v. 57, n. 1, p. 95-108, 2001.

HUTCHINSON, J. R.. Shear coefficients for timoshenko beam theory. **Journal of Applied Mechanics**, v. 1, n. 1, 2001.

IMBERT, J. F.. Analyse des structures par éléments finis. Sup'aéro, 2001.

INMAN, D. J.. Smart structures: examples and new problems. In: Congresso Nacional de Engenharia Mecânica, 2001, Uberlândia, Brasil. **Anais**.

INAMN, D. J.; FARRAR, C. R.; LOPES Jr, V; STEFFEN Jr, V.. Damage prognosis: for aerospace, civil and mechanical systems. Wiley, 2005.

IRWIN, G. R.. Analysis of stresses and strains near the end of a crack traversing a plate. **Journal of Applied Mechanics**, v. 24, n. 1, p. 361-364, 1957.

ISHIDA, Y.; INOUE, T.; NISHIMURA, K.. Detection of a rotor crack by a periodic excitation. In: International Symposium on Stability Control of Rotating Machinery, p. 1004-1011, 2001, Minden, NV. **Anais**.

ISHIDA, Y.; YAMAMOTO, T.. Linear and nonlinear rotordynamics. Wiley-VCH, 2012.

IWATSUBO, T.; ARII, S.; Oks, A.. Detection of a transverse crack in a rotor shaft by adding external force. In: International Conference on Vibrations in Rotating Machinery, IMechE, v. 1, n. 1, p. 275-282, 1992, Bath, UK. **Anais**.

JEFFCOTT, H. H.. The lateral vibration of loaded shafts in the neighborhood of a whirling speed: the effect of want of balance. **Philosophical Magazine A**, v. 37, n. 1, p. 304-315, 1919.

KESSLER, S. S.; SPEARING, S. M.; ATALLA, M. J.. In-situ damage detection of composites structures using lamb wave methods. Massachusetts Institute of Technology, Department of Aeronautics and Astronautics Massachusetts, 2002.

KOROISHI, E. H.; CAVALINI JR, A. A.; STEFFEN Jr, V.; MAHFOUD, J.. Active vibration control in a rotor system using an electromagnetic actuator with H∞ norm. **ABCM Symposium Series in Mechatronics**, v. 5, p. 105-114, 2012.

KULESZA, Z.; SAWICKI, J. T.. Auxiliary state variables for rotor crack detection. **Journal of Vibration and Control**, v. 17, n. 6, p. 857-872, 2010.

KULESZA, Z.; SAWICKI, J. T.; STOROZHEV, D. L.. Smart properties of AMB supported Machines for rotor crack detection: experimental and analytical study. In: International Conference on Rotordynamics, 8th IFToMM, KIST, 2010, Seoul, Korea. **Anais**.

LALANNE, M.; FERRARIS, G.. Rotordynamics prediction in engineering. John Wiley & Sons, INC., 1998.

LALLEMENT, G.; LECOANET, H.; STEFFEN Jr, V.. Vibrations de rotors sur paliers à matrice de raideur non symetrique. **Machine and Mechanism Theory**, v. 17, n. 1, p. 47-55, 1982.

LEE, U.; SHIN, J.. A frequency response function-based structural damage identification method. **Computers and Structures**, v. 80, n. 1, p. 117-132, 2002.

LEMOS, G. F.. Detecção de falhas via observadores de estado em sistemas rotativos considerando-se suas fundações. Faculdade de Engenharia de Ilha Solteira, Universidade Estadual Paulista, 2004.

LEYZEROVICH, A.. Large Power Steam Turbine. Pennwell, Tulsa, 1997.

LIANG, C.; SUN, F. P.; ROGERS, C. A.. Coupled electromechanical analysis of adaptive material systems – determination of the actuator power consumption and system energy transfer. **Journal of Intelligent Material Systems and Structures**, v. 5, n. 1, p. 12-20, 1994.

LIM, H. J.; KIM, M.; SOHN, H.; PARK, C. Y.. Impedance based damage detection under varying temperature and loading conditions, **NDT & E International**, v. 44, n. 1, p. 740-750, 2011.

- LIONG, R. T.. Application of the cohesive zone model to the analysis of rotors with a transverse crack. KIT Scientific Publishing, 2011.
- LOBATO, F. S.. **Otimização multi-objetivo para o projeto de sistemas de engenharia.** Universidade Federal de Uberlândia, 2008.
- MARQUI, C. R.. Modelagem de estruturas piezelétricas para aplicação em localização de falhas. Faculdade de Engenharia de Ilha Solteira, Universidade Estadual Paulista, 2007.
- MANI, G.; QUINN, D. D.; KASARDA, M.. Active health monitoring in a rotating cracked shaft using active magnetic bearings as force actuators. **Journal of Sound and Vibration**, v. 294, n. 1, p. 454-465, 2006.
- MAYES, I. W.; DAVIES, W. G. R.. The vibration behavior of a rotating shaft system containing a transverse crack. In: Institution of Mechanical Engineers Conference Publication, Vibration in Rotating machinery, pp. 53-64, 1976. **Anais**.
- MAYES, I. W.; DAVIES, W. G. R.. Analysis of the response of multi-rotor-bearing system containing a transverse crack in a rotor. **Journal of Vibration, Acoustics, Stress, and Reliability in Design**, v. 106, n. 1, p. 139-145, 1984.
- MEGGIOLARO, M. A.. **Modelagem de mancais hidrodin6amicos na simulação de sistemas rotativos**. Pontifícia Universidade Católica do Rio de Janeiro, 1996.
- MELO, G. P.. Detecção e localização de falhas via observador de ordem mínima. Faculdade de Engenharia Mecânica, Universidade de Campinas, 1998.
- MORAIS, T. S.; STEFFEN Jr, V.; BACHSCHMID, N.. Time-varying parameter identification using orthogonal functions. **Journal of Physics**, v. 135, n. 1, p. 1-7, 2008.
- MORAIS, T. S.. Contribuição ao estudo de máquinas rotativas na presença de não linearidades. Universidade Federal de Uberlândia, 2010.
- MORAIS, T. S.; STEFFEN Jr, V.; MAHFOUD, J.. Control of the breathing mechanism of a cracked rotor by using electro-magnetic actuator: numerical study. **Latin American Journal of Solids and Structures**, v. 9, n. 1, p. 581-596, 2012.
- MOURA Jr., J. R. V.. Uma contribuição aos sistemas de monitoramento de integridade estrutural aplicada a estruturas aeronáuticas e espaciais. Universidade Federal de Uberlândia, 2008.

MUSZYNSKA, A.. Rotordynamics. CRC Press, 2005

SAAVEDRA, P. N.; CUITIÑO, L. A.. Crack detection and vibration behavior of cracked beams. **Computers and Structures**, v. 79, n. 1, p. 1451-1459, 2001.

NAYFEH, A. H.. Nonlinear oscillations, John Wiley & Sons, INC., 1995.

NELSON, H. D.; MACVAUGH, J. M.. The dynamics of rotor bearing systems using finite elements. **Journal of Engineering for Industry**, v. 98, n. 2, p. 593-600, 1976.

NELSON, H. D.; NATARAJ, C.. The dynamics of a rotor system with a cracked shaft. **Journal of Vibration, Acoustics, Stress, and Reliability in Design**, v. 108, n. 1, p. 189-196,1986.

PACHECO, R. P.; STEFFEN, V. Jr.. Using orthogonal functions for identification and sensitivity analysis of mechanical systems. **Journal of Vibration and Control**, v. 8, n. 1, p. 993-1021, 2002.

PACHECO, R. P.; STEFFEN, V. Jr.. Orthogonal function techniques for the identification of nonlinear mechanical systems. **Materials Science Forum**, v. 1, n. 1, 2003.

PALOMINO, L. V.. **Análise das métricas de dano associadas à técnica da impedância eletromecânica para o monitoramento de integridade estrutural**. Universidade Federal de Uberlândia, 2008.

PALOMINO, L. V.. Técnicas de inteligência artificial aplicadas ao método de monitoramento de integridade estrutural baseado na impedância eletromecânica para monitoramento de danos em estruturas aeronáuticas. Universidade Federal de Uberlândia, 2012.

PAPADOPOULOS, C. A.; DIMAROGONAS, A. D.. Coupled longitudinal and bending vibrations of a rotating shaft with an open crack. **Journal of Sound and Vibration**, v. 117, n. 1, p. 81-93, 1987.

PAPADOPOULOS, C. A.. Some comments on the calculation of the local flexibility of cracked shafts. **Journal of Sound and Vibration**, v. 278, n. 1, p. 1205-1211, 2004.

PARK, G.; KABEYA, K.; CUDNEY, H. H.; INMAN, D. J.. Impedance-based structural health monitoring for temperature varying applications. **JSME International Journal**, v. 42, n. 2, p. 249-258, 1999.

PARK, G.; SOHN, H.; FARRAR, C. R.; INMAN, D. J.. Overview of piezoelectric impedance-based health monitoring and path forward. **The Shock and Vibration Digest**, v. 35, n. 6, p. 451-463, 2003.

PARK, G.; INMAN, D. J.. Impedance-based structural health monitoring. **Damage Prognosis for Aerospace, Civil and Mechanical System**, Wiley, p. 1-12, 2005.

PEAIRES, D. M.. Development of a self-sensing and self-healing bolted joint. Virginia Polytechnic Institute and State University, 2006.

PENNACCHI, P.; BACHSCHMID, N.; VANIA, A.. A model-based identification method of transverse cracks in rotating shafts suitable for industrial machines. **Mechanical Systems and Signal Processing**, v. 1, n. 1, p. 2112-2147, 2006.

PENNY, J. E. T.; FRISWELL, M. A.. The dynamics of cracked rotors. In: IMAC XXV, 2007, Orlando, Florida. **Anais**.

PESCH, A. H.. Damage detection of rotors using magnetic force actuator: analysis and experimental verification. Cleveland State University, 2008.

PRABHU, B. S.; SEKHAR, A. S.. Severity estimation of cracked shaft vibrations within fluid film bearings. **Tribology Transactions**, v. 38, n. 3, p. 583-588, 1995.

RADE, D. A.. Introdução ao método dos elementos finitos. Notas de Aula, Universidade Federal de Uberlândia, 2008.

RADE, D. A.; STEFFEN Jr, V.. **Structural dynamics and modal analysis**. UNESCO-EOLSS On-line Encyclopedia, 2011.

RAO, S.. Vibrações mecânicas. Prentice-Hall do Brasil LTDA, 2008.

RATAN, S.; BARUH, H.; Rodriguez, J.. On-line identification and location of rotor cracks. **Journal of Sound and Vibration**, v. 194, n. 1, p. 67-82, 1996.

RIUL, J. A.; STEFFEN Jr, V.; RIBEIRO, C. R.. Estudo teórico de mancais hidrodinâmicos cilíndricos. **Revista Brasileira de Ciências Mecânicas**, v. 14, n. 1, p. 17-40, 1992.

ROSALES, M. B.; FILIPICH, C. P.; BUEZAS, F. S.; Crack detection in beaml structures. **Engineering Structures**, v. 31, n. 1, p. 2257-2264, 2001.

RYTTER, A.. Vibration based inspection of civil engineering structures. Aalborg University, Denmark, 1993.

SABINAVIS, G.; KIRK, R. G.; KASARDA, M.; Quinn, D.. Cracked shaft detection and diagnosis. **The Shock and Vibration Digest**, v. 36, n. 4, p. 287-296, 2004.

SALAWU, O. S.. Detection of structural damage through changes in frequencies: a review. **Engineering Structures**, v. 19, n. 9, p. 718-723, 1997.

SALDARRIAGA, M. V.. Atenuação de vibrações em máquinas rotativas flexíveis usando materiais viscoelásticos nos suportes. Universidade Federal de Uberlândia, 2007.

SALDARRIAGA, M. V.; MAHFOUD, J.; STEFFEN Jr, V.; DER HAGOPIAN, J.. Adaptive balancing of highly flexible rotors by using artificial neural networks. **Smart Structures and Systems**, v. 5, n. 1, p. 507-515, 2009.

SALDARRIAGA, V. M.; STEFFEN Jr, V.; DER HAGOPIAN, J.; MAHFOUD, J.. On the balancing of flexible rotating machines by using an inverse problem approach. **Journal of Vibration and Control**, v. 17, n. 1, p. 1021-1033, 2011.

SALES, T. P.. Modelagem numérico-computacional de sistemas multicorpos flexíveis contendo materiais viscoelásticos, Universidade Federal de Uberlândia, 2012.

SANTOS, M. B.. Identificação da força de atrito através de análise de sinais não lineares em ensaios tribológicos. Universidade Federal de Uberlândia, 2005.

SANTOS, R. R.; STEFFEN Jr, V.; SARAMAGO, S. F. P.. Multi-criteria optimal path planning of flexible robots. **Serial and Parallel Robot Manipulators, Kinematics, Dynamics, Control and Optimization**, INTECHOPEN, 2012, p. 339-358, 2005.

SAWICKI, J. T.; FRISWELL, M. I.; PECH, A. H.; WROBLEWSKI, A.. Condition monitoring of rotor using active magnetic bearing. In: ASME Turbo Expo 2008, Power for Land, Sea and Air, GT2008, 2008, Berlin, Germany. **Anais**.

SAWICKI, J. T.; FRISWELL, M. I.; KULESZA, Z.; WROBLEWSKI, A.; LEKKI, J. D.. Detecting cracked rotors using auxiliary harmonic excitation. **Journal of Sound and Vibration**, v. 330, n. 1, p.1365-1381, 2011.

SAWICKI, J. T.; STOROZHEV, D. L.; LEKKI, J. D.. Exploration of NDE properties of AMB supported rotors for structural damage detection. **Journal of Engineering for Gas Turbines and Power**, v. 133, n. 1, p. 1-9, 2011.

SEIBOLD, S.; WEINERT, K.. A time domain method for the localization of cracks in rotors. **Journal of Sound and Vibration**, v. 195, n. 1, p. 57-73, 1996.

SEKHAR, A. S.. Crack identification in a rotor system: a model-based approach. **Journal of Sound and Vibration**, v. 270, n. 1, p. 887-902, 2003.

SEKHAR, A. S.. Detection and monitoring of cracks in a coast-down rotor supported on fluid film bearings. **Tribology International**, v. 37, n. 3, p. 279-287, 2004.

SEKHAR, A. S.. Multiple cracks effects and identification. **Mechanical Systems and Signal Processing**, v. 22, n. 1, p. 845-878, 2008.

SILVA, S.. Detecção de danos estruturais usando análise de séries temporais e atuadores e sensores piezelétricos. Faculdade de Engenharia Mecânica, Universidade de Campinas, 2008.

SILVA, W. T. M.; BEZERRA, L. M.. Performance of composite implicit time integration scheme for nonlinear dynamic analysis. **Mathematical Problems in Engineering**, v. 2008, 16 p., 2008.

SIMÕES, R. C.. Controle modal ótimo de um rotor flexível utilizando atuadores piezelétricos do tipo pilha. Universidade Federal de Uberlândia, 2006.

SINHA, J. K.; FRISWELL, M.; I.; EDWARDS, S.. Simplified models for the location of cracks in beam structures using measured vibration data. **Journal of Sound and Vibration**, v. 251, n. 1, p. 13-38, 2002.

SINHA, J. K.. Higher order spectra for crack and misalignment identification in the shaft of a rotating machine. **Structural Health Monitoring**, v. 6, n.1, 2007.

SINOU, J. J. Detection of cracks in rotor based on 2x and 3x super-harmonic frequency components and the crack-unbalance interactions. **Communications in Nonlinear Science and Numerical Simulation**, v. 13, n. 1, p. 2024-2040, 2008.

STEFFEN Jr, V.. Estudo analítico e experimental de dinâmica de rotores. **Revista Brasileira de Ciências Mecânicas**, v. 3, n. 1, p. 3-8, 1981.

STEFFEN Jr, V.; ASSIS, E. G.; LEPORE NETO, F. P.. Multicriterion techniques for the optimization of rotors. In: **Multicriterion Techniques for the Optimization of Rotors**, v. 2, p. 236-249, 1999.

STORN, R.; PRICE, K.. Differential evolution: a simple and efficient adaptive scheme for global optimization over continuous spaces. **International Computer Science Institute**, v. 12, n. 1, p. 1-16, 1995.

TSURUTA, K. M.. Monitoramento de integridade estrutural de materiais compostos sujeitos a impactos empregando a técnica da impedância eletromecânica. Universidade Federal de Uberlândia, 2008.

VIANA, F. A. C. Simple Optimization Toolbox – User's Guide, 2006,

VIANA, F. A. C.; OLIVEIRA, F. C. G.; BORGES, J. A. F.; STEFFEN Jr, V.. Differential evolution applied to the design of a three-dimensional vehicular structure. In: International Design Engineering Technical Conferences & Computers and Information in Engineering Conference, 2007, Las Vegas, Nevada, USA. **Anais**.

VIANA, F. A. C.. Surrogate modeling techniques and heuristic optimization methods applied to design and identification problems. Universidade Federal de Uberlândia, 2008.

ZAGRAI, A. N.; GIURGIUTIU, V.. Electro-mechanical impedance method for crack detection in thin plates. **Journal of Intelligent Material Systems and Structures**, v. 12, n. 1, p. 709-718, 2001.

ZHAO, M.; LUO, Z. H.. An expert system of crack monitoring and diagnosing for rotating machines. In: Conference on Rotating Machines Dynamics, p. 84-91, 1992, Venice, Italy. **Anais**.

ZOU, J.; CHEN, J.; NIU, J. C.; GENG, Z. M.. Aplication of the wigner-ville distribution to identification of a cracked rotor. **Journal of Mechanical Engineering Science**, v. 217, n. 5, p. 551-556, 2003.

WORDEN, K; DULIEU-BARTON, J. M.. An overview of intelligent fault detection in systems and structures. **Structural Health Monitoring**, v. 3, n.1, 2004.

WOWK, V.. Machinery vibration: balancing. McGRAW-Hill, 1994.