

8. Referências

-
- [1] YARIV A. H. WINSOR. H. Proposal for detection of a magnetic fields through magnetostrictive perturbation of optical fibers. **Opt. Lett.**p. 87-89, 1980.
 - [2] DANDRIDGE A, et al. Optical fiber magnetic field sensors. **Electron. Lett.** p. 408-409, 1980.
 - [3] WILLSON J. P. JONES R. E. Magnetostrictive fiber-optic sensor system for detecting dc magnetic fields. **Opt. Lett.**p.333-335.1983.
 - [4] HILL K.O, et al. 1978 Photosensitivity on optical fibre waveguides: application to reflection filter fabrication **Appl. Phys. Lett.** p.647-649,1978.
 - [5] XU M.C, et al. Na optical in-fibre grating high pressure sensor. **Electron. Lett.** p.398-399, 1993.
 - [6] LAUZON J. Implementation and characterization of fibre Bragg gratings linearly chirped by a temperature gradient. **Opt. Lett.**p.2027-2029, 1994.
 - [7] CRUZ J L, et al. Fibre Bragg gratings tuned and chirped using magnetic fields **Electron. Lett.** p. 235-236. 1997.
 - [8] MORA. J, et al. A magnetostrictive sensor interrogated by fiber gratings for dc-current and temperature discrimination. **IEEE Photton. Technol. Lett.**p.1680 – 1682, 2000.
 - [9] CHIANG K.S. Temperature-compensated fiber Bragg based magnetostrictive sensor for dc and dc currents. **Opt. Eng.**p.1906-1909, 2003.
 - [10] SATPATHI. D. MOORE. J. and ENNIS M. Desing of a Terfenol-D based fiber optic current transducer. **IEEE Sensors J.** p.1057-1065, 2005.
 - [11] CARVALHO,H.R. et al. Remote magnetostrictive position sensors interrogated by fiber Bragg gratings.**Sensors and actuators**, p.141-145, 2007.
 - [12] Li M, et al. Giant magnetostrictive magnetic fields sensor based on dual fiber Bragg gratings. **Proc. IEE Networking, sensing and control conf.(USA)**,p. 490–495, 2005.

-
- [13] AMBROSINO C, et al. A sensitivity tuning in Terfenol-D based fiber Bragg grating magnetic sensors **IEEE Sensors J.** p.1519-1520, 2008.
 - [14] DAPINO,J. On magnetostrictive materials and their use in smart materials transducers.. <http://www.mecheng.osu.edu/~dapino/article.pdf>. Acesso em 25 de abr. 2011.
 - [15] HANDLEY,R. **Modern magnetic materials. Principles and applications.**New York, Jhon Wiley & Sons, Inc, 2000.740p.
 - [16] CRAIK, D. **Magnetism, principles and aaplications.** New York, Jhon Wiley & Sons, Inc,1995.459p.
 - [17] ENGDAHL, G. **Handbook of Giant Magnetostrictive Materials.** San Diego, Academic Press, 2000. 386p.
 - [18] CALKINS,F.T; FLATAU,A.B. 15th National Conference on Noise Control Engineering, Iowa State University.1997. Disponível em <http://www.aerosmart.umd.edu/TechPubs/calkins>. Acesso em 20 de mar. 2011.
 - [19] SANDLUND, L. et al. .Magnetostriction, elastic moduli, and coupling factors of composite Terfenol-D. **Journal of Applied Physics**, p. 5656-5658, 1994.
 - [20] DUENAS T. Giant Magnetostrictive Composites. Doctoral Dissertation (PhD. In Mechanical Engineering). University of California. 2000.
 - [21] DOBRANZKI L.A. Intelligent epoxy matrix composite materials consisting of TbDyFe magnetotrtictive composites. **Archives of Materials Science and Engineering**.p.33-38, 2009.
 - [22] DUENAS. T. CARMAN. G. Large magnetostrictive response of Terfenol-D resin composites. **Journal of Applied Physics**. 2000.
 - [23] OTHONS,A,KALLY,K. **Fiber Bragg Grattings, Fundamentals and applications in telecommunications and sensing.** Boston. Artech House Publishers. 1999.
 - [24] SECO, F. Hysteresis Compensation in a Magnetostrictive Linear Position sensor.**Sensors and actuators**, v.110, p.247-253. 2004.
 - [25] CULLITY B.D. **Introduction to magnetic materials.** p.46-65. Addison Wesley. 1992.
 - [26] SATO M. Simple and pproximate expressions of demagnetizing factors of uniformly magnetized rectangular rod and cylinder. **Journal of Applied Physics**, p. 983-986, 1989.

-
- [27] BOZORTH R M. Ferromagnetism (Piscataway, NJ: IEEE Press) p 846. 1993.
 - [28] DANIEL L and GALOPIN N. A constitutive law for magnetostrictive materials and its application to Terfenol-D single and polycrystals **Eur. Phys. J. Appl. Phys.**p.153-159, 2008.
 - [29] CRUZ J L, et al. Fibre Bragg gratings tuned and chirped using magnetic fields **Electron. Lett.** p. 235-236. 1997.
 - [30] MOFFET M, et al. Characterization of Terfenol-D of magnetostrictive transducers. **Journal of Acoustical Society of America**.p.1448-1455, 1991.
 - [31] YAMAMOTO K. Effect of compressive stress on hysteresis loss of Terfenol-D. **Journal of Magnetism and Magnetic Materials**, p.222–224, 2003.
 - [32] TAYLOR, J. **An introduction to error analysis**. 2ed. California. University Science Books. 327 p. 1997.
 - [33] ROBERTS, M. MILTROVIC M. CARMAN G. Nonlinear behavior of coupled magnetostrictive systems analytical/experimental. **Proc. of SPIE**. p.341-354, 1995.
 - [34] RUIZ L, ABELL J. S, HARRIS. I.R. Magnetostrictive properties of polymer bonded Terfenol-D. **Journal of Magnetism and Magnetic Materials**, p.508–509, 1996.
 - [35] HUDSON J. BUSBRIDGE S. PIERCY A. Magnetomechanical coupling and elastic moduli of polymer bonded Terfenol composites. **Journal of Applied Physics**, p. 7255-7257, 1998.
 - [36] RODRIGUEZ C New elastomer-Terfenol-D magnetostrictive composites, **Sensors and Actuators**.p.251-254, 2009.
 - [37] LIMA. S.H, et al. Magnetostrictive properties of polymer-bonded Terfenol composites. **Journal of Magnetism and Magnetic Materials**, p.113–121, 1999.
 - [38] DUENAS T. CARMAN G. Particle distribution study for low volume fraction magnetostrictive composites. **Journal of Applied Physics**. p.2433-2439, 2001.
 - [39] XUFENG D. Effects of particle size on magnetostrictive properties of magnetostrictive composites with low particulate volume fraction. **Proc. of SPIE**. p. 20, 2009.

-
- [40] DONG X, et al. Influence on arrangement field on magnetostrictive and mechanical properties on magnetostrictive composites. **Transactions of Nonferrous Metals**.p. 1454-1458, 2009.
 - [41] HAO M, et al. Grain oriented anisotropy in the bonded giant magnetostrictive material. **Applied Physics Letters**.p.2501-2503, 2010.
 - [42] ARAUJO J.F.D.F. BRUNO, A.C. CARVALHO H.R. Characterization of magnetic nanoparticles by a modular Hall magnetometer.. **Journal of Magnetism and Magnetic Materials**. p. 2806-2809, 2010.
 - [43] CHING L. Large magnetostriction in epoxy bonded Terfenol-D continuous fiber composite with [112] crystallographic orientation. **Magnetics IEEE Transactions**. p.3111-3113, 2006.
 - [44] GOOD R. **Classical electromagnetism**. Harcourt Brace College Publishers. 536p. 1999.
 - [45] CHIA C. LEE J. BANG H. Structural health monitoring for a wind turbine system: a review of damage detection methods. **Measurement Science and Technology**. 2008.
 - [46] GLORIA N.B.S, et al. Development of magnetic sensor for detection and sizing of internal pipeline corrosion defects. **NDT &E International**. p. 669-677. 2009.
 - [47] BRUNO A.C, et al. New magnetic techniques for inspection and metal loss assessment of oil lines pipelines. **Journal of Magnetism and Magnetic Materials**, p.226–230, 2001.
 - [48] SCHIFFINI R. BRUNO A.C. Experimental verification of a finite element model used in an magnetic flux leakage inverse problem. **Journal of Physics D**. 1875-1880. 2005.