

BIBLIOGRAFIA

- Agulló, J.; Barjau, A. (1986) “The reflection function: a matrix approach versus FFT”, *J. Sound Vib.*, 106 (2), p. 193-201.
- Agulló, J.; Barjau, A.; Martínez, J. (1988) “Alternatives to the impulse response $h(t)$ to describe the acoustical behaviour of conical ducts”, *J. Acoust. Soc. Am.*, 84 (5), p. 1606-1612.
- Agulló, J.; Barjau, A.; Martínez, J. (1992a) “On the time-domain description of conical bores”, *J. Acoust. Soc. Am.*, 91 (2), p. 1099-1105.
- Agulló, J.; Barjau, A.; Jordi, L. (1992b) “Corrección a la función de reflexión asociada a un cambio de conicidad en guías onda”, *Anales de Ingeniería Mecánica*, 9 (3), p. 121-124.
- Agulló, J.; Barjau, A.; Keefe, D. (1999) “Acoustic Propagation in Flaring, Axisymmetric Horns: I. A New Family of Unidimensional Solutions”, *Acustica*, 85, p. 278-284.
- Amir N.; Rosenhouse G.; Shimony U. (1993) “Input impedance of musical horns and the “horn function””, *Appl. Acoust.*, 38 (1), p. 15-35.
- Arfken, G. (1985) “Mathematical Methods for Physicists”, *Academic Press*, San Diego.
- Barjau, A. (1987) “Contribució a l'estudi de l'acústica dels instruments de canya de la cobla”, *Tesi Doctoral*, Universitat de Barcelona.
- Barjau, A.; Agulló, J. (1989a) “Calculation of the starting transients of a double-reed conical woodwind”, *Acustica*, 69 (5), p. 204-210.
- Barjau, A.; Agulló, J. (1989b) “Diseño asistido por ordenador de instrumentos musicales de viento”, *Anales de Ingeniería Mecánica*, 7 (1), p. 115-120.
- Barjau, A.; Martínez, J.; Agulló, J. (1989c) “Reed woodwinds redesign. A Cad approach”, Proceedings del 13th International Congress on Acoustics, 3, p. 95-98, Belgrad.

Barjau, A.; Cardona, S.; Jordi, L. (1990) “Fast simulation of the internal pressure in a double-reed woodwind”, *Editions de la Maison des Sciences de l'Homme*, 13 (1), p. 159-178.

Barjau, A.; Jordi, L. (1994) “Etude préliminaire d'un modèle pour la propagation d'ondes dans des tuyaux de conicité variable”, *J. Phys. IV*, vol. 4, col. 5, suppl. J. Phys. III, p. 801-804.

Barnhart, D. (1995), “Optica. A New Generation System for Optical Design and Analysis. User's Guide”, *Wolfram Research, Inc.*, Champaign.

Benade, A. H.; Jansson, E. V. (1974) “On Plane and Spherical Waves in Horns with Nonuniform Flare. I. Theory of Radiation, Resonance Frequencies and Mode Conversion”, *Acustica*, 31, p. 79-98.

Benade, A. H. (1976) “Fundamentals of Musical Acoustics”, *Oxford University Press*, New York.

Cardona, S. (1980) “Contribució a l'estudi de l'acústica de la tenora”, *Tesi Doctoral*, Universitat Politècnica de Barcelona.

Cardona, S.; Jordi, L; Barjau, A. (1990) “Determinación de la respuesta temporal de los sistemas lineales mediante un algoritmo eficiente para la convolución”, *Anales de Ingeniería Mecánica*, 8 (3), p. 267-271.

Cardona, S.; Barjau, A.; Puig, J. (1992) “Algoritmo de multiconvolución para guías onda con discontinuidades arbitrariamente espaciadas”, *Anales de Ingeniería Mecánica*, 9 (1), p. 213-216.

Cassereau, D. (1988) “Nouvelles méthodes et applications de la propagation transitoire dans les milieux fluides et solides”, *Tesi Doctoral*, Universitat de París VII, França.

Ciskowski, R. D.; Brebbia, C. A. (1991) “Boundary Element Methods in Acoustics”, *Elsevier Applied Science*, New York.

Farina, A. (1995) “Verification of the accuracy of the pyramid tracing algorithm by comparison with experimental measurements of objective acoustic parameters”, Proceedings del 15th International Congress on Acoustics, p. 445-448, Trondheim.

- Faure, P.; Cathignol, D.; Chapelon, J. Y. (1994) "Diffraction impulse response of arbitrary polygonal plane transducers", *Acta Acustica*, 2, p. 257-263
- Freehafer, J. E. (1940) "The Acoustical Impedance of an Infinite Hyperbolic Horn", *J. Acoust. Soc. Am.*, 11, p. 467-476.
- Geddes, E. R. (1989) "Acoustic Waveguide Theory", *J. Audio Eng. Soc.*, 37 (7), p. 554-569.
- Gibiat, V. (1990) "Caractérisation physique des instruments à vent: mesures d'impédances et trajectoires de phases", *Thèse de Doctorat*, Université de Maine.
- Hunt, F.V. (1978) "Origins in Acoustics", *Acoustical Society of America*, New York.
- Jansson, E. V.; Benade, A. H. (1974) "On Plane and Spherical Waves in Horns with Nonuniform Flare. II. Prediction and Measurements of Resonance Frequencies and Radiation Losses", *Acustica*, 31, p. 185-202.
- Jordi, L.; Barjau, A. (1992a) "CAD d'instruments à vent: discréétisation en tuyaux exponentiels", *J. Phys. IV*, vol. 2, col. 1, suppl J. Phys. III, p.79-83.
- Jordi, L.; Barjau, A. (1992b) "Cad de instrumentos de viento: discretización en elementos de tipo Salmon", *Anales de Ingeniería Mecánica*, 9 (2), p. 13-17.
- Keefe, D. H. (1982a) "Theory of the single woodwind tone hole", *J. Acoust. Soc. Am.*, 72 (3), p. 676-687.
- Keefe, D. H. (1982b) "Experiments on the single woodwind tone hole", *J. Acoust. Soc. Am.*, 72 (3), p. 688-699.
- Keefe, D. H. (1988) "Woodwind design algorithms to achieve desired tuning", Proceedings del 113th ASA meeting. Seattle.
- Keefe, D. H. (1990) "Woodwind air column models", *J. Acoust. Soc. Am.*, 88 (1), p. 35-51.
- Keefe, D. H.; Agulló, J.; Barjau, A. (1993) "Theory of wave propagation in axisymmetric horns", Proceedings del SMAC 1993. Stockholm.

Krokstad, A.; Strøm, S.; Sørdsdal, S. (1968) "Calculating the acoustical room response by the use of a ray tracing technique", *J. Sound Vib.*, 8 (1), p. 118-125.

Kropp, W.; Svensson, P. U. (1995) "Time domain formulation of the method of equivalent sources", *Acta Acustica*, 3, p. 67-73.

Leppington, F. G. (1982) "On the theory of woodwind finger holes", *J. Sound Vib.*, 83 (4), p. 521-532.

Levine, H.; Schwinger, J. (1948) "On the radiation of sound from an unflanged circular pipe", *Physical Review*, 73 (4), p. 383-406.

Martínez, J. (1987) "Contribució a l'estudi de l'acústica de la tenora i del tible en el domini temporal", *Tesi Doctoral*, Universitat Politècnica de Catalunya.

Martínez, J.; Agulló, J.; Cardona, S. (1988) "Conical Bores. Part II: Multiconvolution", *J. Acoust. Soc. Am.*, 84 (5), p. 1620-1627.

Morse, P. M. (1948) "Vibration and Sound", *McGraw-Hill*, New York.

Morse, P. M.; Uno Ingard, K. (1968) "Theoretical Acoustics", *McGraw-Hill*, New York.

Munjal, M. L. (1987) "Acoustics of Ducts and Mufflers", John Wiley & Sons, New York.

Nederveen, C. J.; Bruijne, A. (1967) "Hole Calculations for an Oboe", *Acustica*, 18, p. 47-57.

Ochmann, M. (1995) "The Source Simulation Technique for Acoustic Radiation Problems", *Acustica*, 81, p. 512-527.

Pierce, A. D. (1991) "Acoustics", *Acoustical Society of America*, New York.

Quinn, D. W. (1987) "A finite element method for computing sound propagation in ducts", *Math. Comput. Simulat.*, 29, p. 51-64.

Savioja, L.; Bckman, J.; Järvinen, A.; Takala, T. (1995) "Waveguide mesh method for low-frequency simulation of room acoustics", Proceedings del 15th International Congress on Acoustics, p. 637-640, Trondheim.

Schumacher, R. T. (1981) “Ab initio calculations of the oscillations of a clarinet”, *Acustica*, 48, p. 71-85.

Spiegel, M. R. (1970) “Manual de fórmulas y tablas matemáticas”, *McGraw-Hill*, Mexico.

Stephenson, U.; Kristiansen, U. (1995) “Pyramidal beam tracing and time dependent radiosity”, Proceedings del *15th International Congress on Acoustics*, p. 657-660, Trondheim.

Wolfram, S. (1991), “Mathematica. A System for Doing Mathematics by Computer”, *Addison-Wesley Publishing Company*, Redwood City.