

References:

- [1] H.F. Bauer, Natural frequencies and stability of circular cylindrical immiscible, *Int.J.Microgravity. Res. Appl.* 2, 1989, pp. 27-44.
- [2] H.F. Bauer and W. Eidel, Linear liquid oscillations in a cylindrical container under zero gravity, *Microgravity Sci. and Techn.* 2, 1990, pp.212-220.
- [3] P. Capodanno, Small oscillations of a liquid in a container of revolution under zero gravity, *Eur.Jour.Mech. B-Fluids*- 11-3, 1992, pp. 291-308.
- [4] P. Capodanno, On the small oscillations of a catenoidal liquid bridge between two parallel plates under zero gravity, *Microgravity Science and Tecnology* 7-3, 1994, pp. 252-257.
- [5] P. Capodanno, Sur les petites oscillations d'une gutte de liquid catenoidale entre deux plaques paralleles au apesanteur, *Zeitschrift für angewandte Mathematik und Physik (Z.A.M.P.)*, 48, 1995, pp. 724-738.
- [6] P. Capodanno, Mathematical study of the small oscillations of a liquid column in a symmetrical cylindrical container under zero gravity, *Jour. Fluids and Struct.*, 9, 1995,pp. 773-786.
- [7] P. Capodanno and D. Vivona, Small oscillations of an anviscid liquid in a rigid container under zero gravity, when the conctat line is fixed, *Ricerche di Matematiche*, 50-1, 2001, pp. 35-51.
- [8] P. Capodanno and D. Vivona, Mathematical study of the small oscillations of an incompressible and inviscid liquid under zero gravity in a container of revolution with elastic bottom and anchored edges, *Ann.Un.Ferrara*, 48-7, 2002, pp. 25-47.
- [9] P. Capodanno and D. Vivona, On a variational equation of the small oscillations of a bubble in a cylindrical liquid column under gravity zero, *Proc. 12th Int.Congress on Fluid Mechanics and Aerodynamics (FMA'14)* Geneve, 2014.
- [10] R. Dautray and J.-L. Lion, *Analyse mathématique et Calcul numérique*, 5, Masson-Paris, 1988.
- [11] N.-D. Kopachevsky and S.-G. Krein, *Operator aproach to linear problems of hydrodynamics*, 1, Birkäuser-Basel, 2001.
- [12] H. Lamb, *Hydrodynamics*, Cambridge University Press, Cambridge, 1932.
- [13] L. Landau and E. Lifschitz, *Mécanique des Fluides*, Editions MIR, Moscou, 1971.
- [14] D. Langbein, Stability of liquid bridge between parallel plates, *Microgr. Sci.and Techn.*, 5, 1995,pp.2-11.
- [15] D. Langbein, F. Falk and R. Grossbach, Oscillations of fluid column under microgravity, *Adv.Space.Res.*, 16-7, 1995, pp.23-26.
- [16] N.-N. Moiseyev and V.-V. Rumjantsev, *Dynamic stability of bodies containing fluid*, Springer-Verlag, Berlin, 1968.
- [17] M.-J.-P. Morand and R. Ohayon, *Interactions fluides-structures*, Masson, Paris, 1992.
- [18] M. Roseau, *Vibration des systemes mécanique*, Masson Paris, 1984.
- [19] Hubert J. Sanchez and Palencia E. Sanchez, *Vibration and coupling of continuous systems; asymptotic methods*, Springer Berlin, 1989.
- [20] L. Schwartz, *Théorie des didtributions*, Hermann, Paris, 1966.
- [21] D. Vivona, Mathematical study of the small oscillations of a spherical liquid bridge between two equal disks under gravity zero, *Bull.Polish Acc. Sc.*, 49-1, pp.31-49, 2001.
- [22] T.I. Vogel, Stability of a liquid drop trapped between two parallel plates. *S.I.A.M. J.Appl.Mech.*, 47-3, 1987, pp.516-525.