

REFERENCES

- [1] Andrew, A.L., Chu, K.W.E., Lancaster, P. (1993). Derivatives of eigenvalues and eigenvectors of matrix functions, *SIAM J. Matrix Anal. Appl.*, **14**, (4), pp. 903-926.
- [2] Benner, P., Mehrmann, V., Xu, H. (2002) Perturbation Analysis for the Eigenvalue Problem of a Formal Product of Matrices, *BIT, Numer. Anal.*, **42**, pp. 1-43.
- [3] E. King-Wah Chu, E.K.W. (2004). Perturbation of eigenvalues for matrix polynomials via the Bauer-Fike Theorems, *SIAM J. Matrix Anal. Appl.*, **25**(2), pp. 551-573.
- [4] García-Planas, M.I., Tarragona, S. (2012). Analysis of behavior of the eigenvalues and eigenvectors of singular linear systems, *Wseas Transactions on Mathematics*, **11**, (11), pp 957-965.
- [5] García-Planas, M.I., Tarragona, S. (2011) Perturbation analysis of simple eigenvalues of polynomial matrices smoothly depending on parameters, *Recent Researches in Systems Science*. pp 100-103.
- [6] Kato, T. (1980). *Perturbation Theory for Linear Operators*, Springer-Verlag, Berlin.
- [7] Mediano, B. (2011). *Análisis y simulación del comportamiento de una tubería mediante MEF*. Master Thesis. UPC.
- [8] Smith R.S., (1995). *Eigenvalue perturbation models for robust control*. *IEEE Transactions on Automatic Control*, **40**, (6), pp. 1063-1066