131. Zvi Artstein, Linear singularly perturbed systems without slow-fast split. Computational Optimization and Applications, to appear.

Abstract. We examine linear, time invariant, singularly perturbed differential equations, where a split into slow and fast variables is not prescribed. Simple linear algebra considerations give rise to a useful order reduction type framework. A comparison with the classical order reduction method is provided, and the relation to efficient computations is pointed out.

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