



**Centro de Investigação em Matemática e
Aplicações
Departamento de Matemática**

Seminário

**10 de Novembro de 2010, Quarta-feira
CLAV – Anf. 4 - 14:00 horas**

***An augmented split-block-plot design
for experiments with controls***

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Resumo

A construction procedure of an augmented split-block-plot design with control subplot treatments is presented. In the modelling data the structure of an experimental material and a four-step randomization scheme are taken into account. With respect to the analysis of the obtained randomization linear model with six strata the approach appropriate to the multi-stratum experiments with orthogonal block structure is adapted. A numerical example is presented to illustrate the method of the construction and statistical properties of the final design.