

CONTROL OF
SWITCHED
SYSTEMS AND
ITS
APPLICATIONS
TO
CONVERTERS

C. PÉREZ

INTRODUCTION
TO SWITCHED
SYSTEMS

METHOD FOR
STABILIZATION
WHEN $n = 2$
AND $N = 2$

CONTROL FOR
 $n = 2$ AND
 $N = 2$

APPLICATION
TO
CONVERTERS

CONTROL OF SWITCHED SYSTEMS AND ITS APPLICATIONS TO CONVERTERS

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SWITCHING LAWS OF TYPE II

THEOREM (PÉREZ AND BENÍTEZ (2012))

If $E_1 \cap \{x \in \mathcal{U} : \det(f_1(x), f_2(x)) > 0\} \neq \emptyset$, then there exist $x_0 \in E_1 \cap S_1$ σ -convergent where σ is a switching law of type II.

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