

ADDENDUM TO THE PAPER
"ON A GENERAL ZERO-SUM STOCHASTIC
GAME WITH OPTIMAL STOPPING"

(Prob. and Math. Statistics 3.1)

BY

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As was pointed out by Prof. J. P. Lepeltier, Theorem 3 does not follow automatically from steps 2 and 3 of the proof as was suggested in the paper. Nevertheless Theorem 3 is correct, even in more general case, without Mokobodzki's condition. In a forthcoming paper* the following result is proved:

THEOREM. *If (f_t) and (g_t) are right continuous processes with respect to filtration (F_t) , satisfying the usual conditions, then*

$$\inf_{\tau \geq r} \sup_{\sigma \geq r} J_r(\tau, \sigma) = \sup_{\sigma \geq r} \inf_{\tau \geq r} J_r(\tau, \sigma) \stackrel{\text{def}}{=} \hat{a}_r$$

P a. e., where

$$J_r(\tau, \sigma) = E \{ \chi_{\tau < \sigma} e^{-\alpha(\tau-r)} f_\tau + \chi_{\sigma \leq \tau} e^{-\alpha(\sigma-r)} g_\sigma | F_r \}.$$

Moreover, if $a^{\beta, \gamma}_r$ denotes the solutions of the penalized equation, then

$$\lim_{\beta, \gamma \uparrow \infty} a^{\beta, \gamma}_r = \hat{a}_r \quad P a. e.$$

*L. Stettner, P. Zaremba and J. Zabczyk, *Closedness of some stopping games* (in preparation).