

**A CONTINUITY RESULT FOR INTEGRAL FUNCTIONALS DEFINED ON BV
AND APPLICATIONS TO RELAXATION**

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Abstract - This paper is devoted to prove a continuity theorem for integral functional defined on $BV(\Omega)$. This result is applied in order to obtain new relaxation and Γ -convergence theorems on $BV(\Omega)$ without any coerciveness and any continuity assumption of the integrand with respect to the spatial variable.

AMS 2000 Subject Classification: 49J45, 49Q20, 49M20

Key words: Relaxation, BV-functions, Γ -convergence.