Abstract

We prove regularity properties in the vector valued case for minimizers of variational integrals of the form

$$A(u) = \int_{\Omega} A(x, u, Du) \, dx$$

where the integrand $A(x, u, Du)$ is not necessarily continuous respect to the variable $x$, grows polinomially like $|\xi|^p$, $p \geq 2$. 