

**Weak minima of integral functionals
in Carnot-Carathéodory spaces**
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Abstract

We prove a regularity result for weak minima of integral functionals of the form $\mathfrak{F}(u) = \int_{\Omega} F(Xu)dx$ where the integrand F is a continuous function which grows as $|\xi|^p$ for some $p > 1$ and $X = (X_1, \dots, X_k)$ is a family of vector fields with real, C^∞ smooth and globally Lipschitz coefficients satisfying the Hörmander condition.