ON $\Gamma$-CONVERGENCE OF INTEGRAL FUNCTIONALS$^1$

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The talk is devoted to $\Gamma$-convergence of convex integral functionals following the approach by Zhikov [1].
We consider functionals of the type

$$u \to \int_{\Omega} f(x, \nabla u(x))dx + \int_{\partial\Omega} g(x, u(x))dS, \ u \in W^{1}_2(\Omega) \cap L^p(\partial\Omega),$$

and derive representation for the $\Gamma$-limit functional.

REFERENCES


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