

# Approximation and relaxation of perimeter in the Wiener space

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We characterize the relaxation of the perimeter in an infinite dimensional Wiener space, with respect to the weak  $L^2$ -topology. We also show that the rescaled Allen-Cahn functionals approximate this relaxed functional in the sense of Gamma-convergence.

Subjects: **Analysis of PDEs (math.AP)**; Functional Analysis (math.FA); Probability (math.PR)

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