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On Young Measures Controlling Discontinuous Functions

We obtain a version of Young’s Theorem, where Young-like measures can control discontinuous functions. It determines the weak limit of $\{f(u^\nu)\}$ where f is a (possibly) discontinuous scalar function, while $\{u^\nu\}$ is a sequence of measurable functions which satisfies tightness condition.

Keywords: Young measures, weak convergence, discontinuous functions.

MSC: 49J10, 49J45