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Extrapolation theory in variable Lebesgue Spaces.

Variable Lebesgue spaces $L^{p(\cdot)}$ are natural generalizations of the classical L^p space, where the variable exponent $p(\cdot)$ is allowed to vary. We will introduce these spaces, and look at recent results that use weighted extrapolation theory of Rubio de Francia. (Received September 15, 2014)