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**Title:** Nonlinear periodic problems with nonsmooth potential restricted in one direction

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We study a nonlinear periodic problem driven by the ordinary scalar  $p$ -Laplacian and with a nonsmooth locally Lipschitz potential. Imposing on the potential a growth restriction only in one direction, we establish the existence of a solution. Our approach is variational based on the nonsmooth critical point theory for locally Lipschitz functions.

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