

Nonsmooth Problems with Applications in Mechanics
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Higher-Order Problems Involving Generalized Differential Operators

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Abstract: The variable exponent problems are connected to various applications concerning non-Newtonian fluids, elastic mechanics, image restoration etc. Here we discuss the weak solvability of a fourth-order problem with variable exponents, Leray-Lions type operators, and Navier boundary condition. This problem is considered on a general class of domains which includes non-smooth domains.