$C^0$ INTERIOR PENALTY METHODS FOR FOURTH ORDER
ELLiptic VARIATIONAL INEQUALITIES

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ABSTRACT
We will present theoretical and numerical results for $C^0$ interior penalty methods for
fourth order elliptic variational inequalities, with applications to plate obstacle problems
and elliptic optimal control problems with pointwise state constraints. Both $a$ priori and
$a$ posteriori error analyses will be discussed. This is joint work with Joscha Gedicke,
Li-yeng Sung, Yi Zhang and Hongchao Zhang.

REFERENCES
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