

**Chipot, M.**

**Numerical analysis of oscillations in two wells problems.** (English) [Zbl 0784.65057](#)

Chipot, M. (ed.) et al., Progress in partial differential equations: the Metz surveys. Papers from the 'Metz days' conferences, held in Metz, France, during 1989-1990. Harlow: Longman Scientific & Technical. Pitman Res. Notes Math. Ser. 249, 131-145 (1991).

The goal of this note is to explain, in a simple case, new techniques developed recently regarding the numerical analysis of nonconvex problems. In general such problems fail to have a minimizer. However, minimizing sequences tend to organize themselves according, for instance, to the position with respect to the wells of the boundary data that has to be matched. Such a physical situation is encountered for instances in the theory of hyperelasticity for structured materials as crystals.

For the entire collection see [\[Zbl 0771.00023\]](#).

**MSC:**

[65K05](#) Numerical mathematical programming methods

[90C30](#) Nonlinear programming

Cited in 1 Document

**Keywords:**

[oscillations](#); [two wells problems](#); [nonconvex problems](#); [minimizing sequences](#)