

Rochet, Jean-Charles; Choné, Philippe**Ironing, sweeping and multidimensional screening.** (English) [Zbl 1015.91515](#)*Econometrica* 66, No. 4, 783-826 (1998).

Summary: The authors provide existence proofs and characterization results for the multidimensional version of the multiproduct monopolist problem of *M. Mussa* and *S. Rosen* [*J. Econ. Theory* 18, 301-317 (1978; [Zbl 0403.90007](#))]. These results are also directly applicable to the multidimensional nonlinear pricing problems studied by *R. B. Wilson* [*Nonlinear pricing*, Oxford Univ. Press, New York (1993)] and *M. Armstrong* [*Econometrica* 64, 51-75 (1996; [Zbl 0861.90015](#))]. The authors establish that bunching is robust in these multidimensional screening problems, even with very regular distributions of types. They consequently design a new technique, the sweeping procedure, for dealing with bunching in multidimensional contexts. This technique extends the ironing procedure of *Mussa* and *Rosen* to several dimensions.

MSC:[91B24](#) Microeconomic theory (price theory and economic markets)[91B42](#) Consumer behavior, demand theoryCited in **4** Reviews
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screening; nonlinear pricing; adverse selection; incentives; bundling

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