

“Mix and match”: product compatibility without network externalities

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and

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In industries where consumers can assemble their own systems, firms must decide whether to make their components compatible with those of their rivals. We examine a two-stage game in which two fully integrated firms make their compatibility decisions before competing in prices. The symmetric perfect Nash equilibrium of this game is shown to involve full compatibility. Although compatibility leads to higher prices than incompatibility, it also increases the variety of systems available so that some consumers are better off with compatibility, while others are hurt. If standardization is costless, compatibility increases social surplus, but may decrease consumer surplus.

1. Introduction

■ Many multiproduct firms sell systems—lines of products where each good cannot, or usually is not, used separately but might still be purchased separately. Examples are photography, where the typical product line includes cameras, lenses, film and film processing services, and computers, where a system involves software and several hardware components.

In some industries every component of a system produced by a firm can be used with every component manufactured by any other firm. This is the case for the home stereo industry where, for example, a Sanyo tape deck can be combined with a Pioneer receiver and Kenwood speakers. Such industries will be referred to as fully compatible.

In other instances the systems produced by different firms are not compatible at all. A leading example is the home video industry, where VHS video recorders cannot play cassettes recorded using the Beta format.¹

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We would like to thank P. Bolton, J. Farrell, D. Fudenberg, R.J. Gilbert, K. Rockett, G. Saloner, X. Vives, and two anonymous referees for their helpful comments. P. Regibeau gratefully acknowledges support from the Sloan Foundation's doctoral dissertation program.

¹ An industry can also be partially compatible. This was the case in the razor industry when some manufacturers' blades could be used in their rivals' razors while their own razors were not compatible with their rivals' blades. For an analysis of this case, see Matutes and Regibeau (1987).

Mix Match Product Compatibility Externalities

KJ Lindholm-Leary



Mix Match Product Compatibility Externalities:

Whispering the Techniques of Language: An Mental Quest through **Mix Match Product Compatibility Externalities**

In a digitally-driven earth wherever screens reign supreme and immediate interaction drowns out the subtleties of language, the profound techniques and mental subtleties hidden within phrases usually get unheard. Yet, nestled within the pages of **Mix Match Product Compatibility Externalities** a charming fictional treasure blinking with natural thoughts, lies a fantastic journey waiting to be undertaken. Penned by an experienced wordsmith, that enchanting opus invites readers on an introspective trip, softly unraveling the veiled truths and profound impact resonating within ab muscles cloth of each word. Within the mental depths with this touching review, we can embark upon a honest exploration of the book is key themes, dissect their charming writing fashion, and succumb to the strong resonance it evokes deep within the recesses of readers hearts.

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