

Influence of new mobile tools on communication

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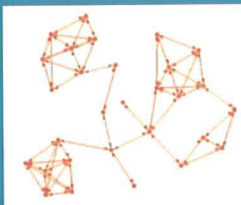
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With the advent of such new communication tools as cellular phones and the Internet, communication styles have diversified. This diversity has brought changes in community formation as well as such serious problems as network addiction and mutual distrust among users. The purpose of this study is to find clues to these problems produced by those new communication tools.

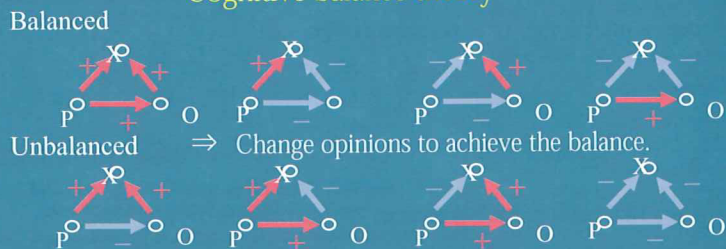
Thus, we focus on the diffusion of cellular phones and simulate a community-forming mechanism to clarify the influence of mobile tools on community formation. We propose a model for cellular phones as mobile tool and represent a community by a communication network using Heider's theory of "The psychology of interpersonal relations."

We simulated the formation of a community to clarify the relationship between the diffusion of mobile tools and the community. This experiment reveals that the diffusion of the mobile tool causes the size of a group of friends tends to decrease and the relationship become more closer.

Network Model



Cognitive balance theory



Influence of Mobile Phone

