

Characterizing the distance between formal and informal organizational structures

Kátaı Zoltán, Katalin Tünde Jánosı-Rancz

Department of Mathematics and Informatics
Faculty of Technical and Human Sciences
Sapientia University, Targu-Mures

`katai_zoltan@ms.sapientia.ro, tsuto@ms.sapientia.ro`

Almost every organization has a hierarchical formal structure. Most of them also have an informal structure (predominantly flat) as well. Nowadays these informal structures can partially be detected from the social network activity of the members. We have proposed to model these structures (formal/informal) by graphs (hierarchical/weighted) and to define and study the distance between them.