

Forest parameter estimation by means of Monte-Carlo simulations with experimental considerations

Y.L. Ding and K. Arai

Department of Information Science, Saga University, 1 Honjou, Saga, Japan

(dingyl@ip.is.saga-u.ac.jp / Phone: 0081-952-288563)

A method for forest parameter estimation such as trunk tree distance, tree type discrimination, and so on by means of Monte-Carlo simulation is proposed together with some experimental considerations. Influences due to slope, shape of the trees, trunk and branch and so on to the parameter estimation are clarified with the experimental results. Also mixing ratio between a tree type in concern and the others is taken into account in the parameter estimation.