Shortest-Path Routing Based on Ant-Algorithm

Min LianYing, Yang JinYong School of Computer Science and Technology, Wuhan University of Technology Wuhan, Hubei, 430063, China

Email: min_ly@mail.whut.edu.cn, Yang_jin_yong@sohu.com **Tel:** +86 (0)27 13871140872, +86 (0)27 13554071386

ABSTRACT

In this paper we first analyze the theory of ant algorithm and its math model, then we put forward a novel approach to solve the shortest-path-routing problem that uses the ant algorithm. Finally we set up an experiment to testify the validity and efficiency of our approach.

Keywords: Ant algorithm; The Shortest-Path; Routing