A STUDY ON THE ANTS ALGORITHM AND DEVELOPMENT OF A PROTOTYPE MINIMUM VECTOR TOOL TO FIND THE BEST STATIC ROUTING PATH

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ABSTRACT

This project studies the Ants Algorithm which a new technique to route message packets via network bridges and routers. Ants never got lost thus wherever they go to find their food; they will come back to their home. This real life observation will be taken to consideration to develop the technology. In a computer network, how message packets keep track of their transmission path such as Internet Control Message Protocol would be studied. In a network, there can be many possible routing paths to send message packets to a particular destination. Developing a minimum Vector tool would be useful to network administrators to find best static routing path so that they can configure router to use the path. The project aims to implement the solution in a small computer network.