Bidirectional propagation method for analysis of reflection on radio networks

Abstract

In this paper, our aim is to evaluate and analyze two propagation methods over mobile IPv6 networks which are bidirectional tunneling and routing optimization and both deliver a packet from a correspondent node to the mobile node and vice versa via specific tunnel. To this end we propose a mobile IPv6 scenario by including real-time applications such as video- conferencing. As a result of the evaluation, routing optimization method reduces end-to-end delay and packet delay variation because the number of packets experience tunneling is reduced by this method. This results in increasing network performance.