

Local Routing in a new Indefinitely Scalable Asynchronous Architecture

Trent Small

Abstract

Local routing is a problem which most of us face on a daily basis. This study proposes a local routing method in a procedurally generated city and shows its overall efficiency in a variety of environments. This routing approach relies heavily on road signs to route traffic. Efficiency is measured by the amount of time a vehicle takes to arrive at its destination. We show that this method is efficient in only some city environments.

Conclusion

The primary routing method which was studied includes keeping neighborhood information at each location on a street, insisting correct routing by intersections. This method is most effective in cities which are dense enough to have many intersections, but not so dense that routing has a small effect on traffic.