

Apichat Tawesiriwate 2012: Spam Host Detection Using Ant Colony Optimization.
Master of Engineering (Computer Engineering), Major Field: Computer Engineering,
Department of Computer Engineering. Thesis Advisor: Assistant Professor
Arnon Rungsawang, Ph.D. 54 pages.

Techniques for cheating results of search engine to get higher rank than they deserve call “spam”, the effect of web spamming will reduce search reliability. If search engine has low reliability then user may pay attention to search engine. Motivation of the spammer is the return of investment and tend of cost are continue decrease but opposite tend of traffic in internet are continue increase. So from spam problem, this thesis present spam hosts detection by rules. We exploit structure of the hosts graph and combine idea from other researches. Then we use ant colony optimization for find paths. Experiments on the WEBSPAM-UK2006 dataset show that the proposed method provides higher precision in detecting spam, comparing to the decision tree model. See the result in lesson 4.

Student’s signature

Thesis Advisor’s signature