

Re: Is graph isomorphism in P?

Source: <http://sci.tech--archive.net/Archive/sci.math/2007-07/msg03156.html>

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 - *Date:* Fri, 20 Jul 2007 04:30:42 -0000
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On Jul 19, 2:21 pm, Fra <fra.cristi...@xxxxxxxx> wrote:

Hi all,

you are invited to see the results of my research about graph isomorphism problem here:

<http://isoproblem.freeforums.org>

Thanks a lot

Fra states: "In this site you will not find the algorithm or any explanation of it, I wish to use this forum in order to place in it hard instances of the MI problem that otherwise would require a prohibitively computation-time to solve it." This makes it hard for people to (1) find two graphs which are isomorphic, for which the algorithm fails to find the isomorphism, or (2) verify that the algorithm runs in polynomial time.

Fra invites people to post graphs to test his isomorphism program, adding: "please not post matrices with more than 350/400 rows, this because I've limited computing resources (only my laptop with 1,2 Gb RAM on AMD Athlon 64) to run the algorithm." Well, Fra, the isomorphism problem, where you only look at graphs with at most 400 vertices, can be solved in CONSTANT TIME.

If Fra is afraid that he's found a polynomial-time algorithm for testing graph isomorphism and someone will steal it, he should realize that posting it to Usenet (where the post will be dated) and/or sending himself a copy of that algorithm as a letter in the mail ("poor man's copyright") are both ways to later prove that he did come up with the algorithm first.

Lastly, he says: "During my research I've found that is possible to give an algebraic characterization for every matrix involved in the MI problem and I've used it to solve the problem with a P-time algorithm (implemented in java)." This Java code should definitely be made public.

Re: Is graph isomorphism in P?

— Christopher Heckman

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