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ERRATUM

Erratum to: Approximating the length of Chinese postman tours

Nathalie Bostel[1] · **Philippe Castagliola**[1] · **Pierre Dejax**[2] · **André Langevin**[3]

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In Bostel et al. (2014), we developed simple and easy-to-use approximation formulae for the length of a Chinese Postman Problem (CPP) optimal tour on directed or undirected strongly connected planar graphs as a function of the number of nodes and the number of arcs of graphs whose nodes are randomly distributed on a square area.

These approximations have been obtained from a multi-linear regression analysis, by randomly generating a large number of graphs on a square area of 100×100 and determining the optimal tour lengths, and not on a unit square area as indicated erroneously in the article. As a consequence, for the general case of graphs extended over a square region of surface area A, the approximate lengths of optimal tours

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✉ Philippe Castagliola
philippe.castagliola@univ-nantes.fr

Nathalie Bostel
nathalie.bostel@univ-nantes.fr

Pierre Dejax
pierre.dejax@mines-nantes.fr

André Langevin
andre.langevin@polymtl.ca

1 LUNAM Université, Université de Nantes, IRCCyN UMR CNRS 6597, Nantes, France

2 LUNAM Université, École des Mines de Nantes, IRCCyN UMR CNRS 6597, Nantes, France

3 Department of Mathematics and Industrial Engineering, CIRRELT, École Polytechnique de Montréal, Montreal, QC, Canada

provided by our formulae have to be multiplied by $\frac{\sqrt{\mathrm{A}}}{100}$, and not by $\sqrt{A}$ as indicated in the article.

Reference

Bostel N, Castagliola P, Dejax P, Langevin A (2014) Approximating the length of Chinese postman tours. 4OR-QJ Oper Res 12:359–372