

CORRIGENDUM

Completeness results for Graph Isomorphism

Birgit Jenner Abt. Theoretische Informatik Universität Ulm D-89069 Ulm jenner@informatik.uni-ulm.de	Johannes Köbler Institut für Informatik Humboldt Universität D-10099 Berlin koebler@informatik.hu-berlin.de
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Pierre McKenzie Université de Montréal CP 6128 succ Centre-Ville Montréal QC H3C 3J7 mckenzie@iro.umontreal.ca	Jacobo Torán Abt. Theoretische Informatik Universität Ulm D-89069 Ulm toran@informatik.uni-ulm.de
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As noted by Akash Lal and Dieter van Melkebeek,
(<http://www.cs.wisc.edu/techreports/2005/TR1523.pdf>.)
the proof of Theorem 6.1 in this paper is not correct the way it is. However, the result holds and the proof can be corrected with the following modification:

After **Rule 2** add the sentence:

“An exception to the rule is applied in the cases when a and b or $\eta(a)$ and $\eta(b)$ do not have the same degree in $C_i \cup C_j$. In these cases we do not include any new edge in E' .”

Also in the proof of Lemma 6.2, page 560 line -15, it should be added:

“Observe that $(c, d \in E \Leftrightarrow (c, e) \in E$ and therefore the exception to Rule 2 does not apply here.”

The rest of the proof remains as in the original paper.