

**License to Publish**  
**a Research Report of the**  
**Centre for Discrete Mathematics and**  
**Theoretical Computer Science (CDMTCS)**

- (a) The submitter grants to the CDMTCS the right to publish and communicate the Work to the public in electronic form under Creative Commons CC-BY licence, <https://creativecommons.org/licenses/by/4.0/>.
- (b) The submitter authorises CDMTCS to grant licences to third parties to do (a) and to deposit copies of the Work in online archives maintained by the CDMTCS or third parties licensed by the CDMTCS.
- (c) The submitter retains copyright in the Work and the right to re-use the Work after publication.
- (d) The submitter must ensure they have permission from any rights owner to include any third party content.
- (e) The submitter should upload a Work only if they are certain that they will not later wish to publish it in a journal that prohibits prior distribution on an e-print server.

For additional questions about CDMTCS's copyright and licensing policies, please contact Prof. Cristian S. Calude, [cristian@cs.auckland.ac.nz](mailto:cristian@cs.auckland.ac.nz) or Dr. Michael J. Dinneen, [mjd@cs.auckland.ac.nz](mailto:mjd@cs.auckland.ac.nz).