

Department of Computer Science

University of Auckland ► Department of Computer Science ► Publications

WEB SITE MAP

Publication details

Update Games and Update Networks (2003)

Michael J. Dinneen and Bakh Khoussainov

Michael J. Dinneen and Bakh Khoussainov, ``Update Games and Update Networks'' *Journal of Discrete Algorithms*,. (1), 53--65, 2003

In this paper we model infinite processes with finite configurations as infinite games over finite graphs. We investigate those games, called *update games*, in which each configuration occurs an infinite number of times during a two-person play. We also present an efficient polynomial-time algorithm (and partial characterization) for deciding if a graph is an *update network*. Download: <http://www.cs.auckland.ac.nz/~mjd/networks/gamesJDA.pdf>

* You are granted permission for the non-commercial use of this paper. All rights are reserved by the author(s).

Submitted by Michael J. Dinneen : [Other Publications](#) | [Profile](#)

Select publications by year:

1972	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008

[Research Publications](#)
[Research Theses](#)
[Technical Reports](#)
[Publications](#)
[Software](#)
[Research Groups](#)
[Theses and Projects](#)

[Index](#)
[People](#)

[Labs](#)
[Assignments](#)
[References](#)
[Handbook](#)

[Personal Portal](#)
[Forums](#)

People Search:

Name, UPI

Search:

Search

[Navigation ±](#)

[People](#)
[Locations](#)
[News](#)
[Events](#)
[Technical Support](#)
[Courses](#)
[References](#)

[Support Group](#)
[Enrolment](#)
[Scholarships](#)
[Administration](#)
[Handbook](#)

[Honours](#)

[PhD](#)

[MSc](#)

[Diploma](#)

[Research](#)

[Publications](#)

[Seminars](#)

[Software](#)

[CDMTCS](#)

[CITR](#)

[Nikau](#)

[Employment](#)

[Visitors](#)

[Quick links ±](#)

[Personal portal](#)

[Forums](#)

[Wiki](#)

[Assignment drop box](#)

[Web mail](#)

[AFS web](#)

[Web booker](#)

[Change password](#)

[Labs home page](#)

[Cecil](#)

[nDeva](#)

[Cheating Policy](#)

[Campus maps](#)

[Room viewer](#)

[Staff list](#)

[Staff web site](#)

[JobHound](#)