

Gérard Berry - Scientific Publications

Books

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Pourquoi et comment le monde devient numérique

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The Constructive Semantics of Esterel

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The Esterel Language Primer, version v5_91

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Modèles complètement adéquats et stables des lambda-calculs typés

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G.Berry. Thèse de Troisième Cycle, Université Paris VII, 1976.

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G. Berry. Dans le livre *Produire le temps*, éditeur Hugues Vinet, éditions Hermann, 2014.

Multi-tier programming in Hop

M. Serrano and G. Berry, *Communications of the ACM*, vol. 5, no. 8 (August 2012). See also preliminary [ACM Queue version](#)

[Constructive Boolean Circuits and the Exactness of Timed Ternary Simulation](#)

M. Mendler, T. Shiple and G. Berry. *Formal Methods in System Design*, Vol.40, No.3, pp. 283-329, Springer (2012). Available online at [DOI 10.1007/s10703-012-0144-6](https://doi.org/10.1007/s10703-012-0144-6).

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SCADE: Synchronous design and validation of embedded control software

G. Berry. In *Next Generation Design and Verification of Distributed Embedded Systems*, S. Ramesh and P. Sampath Ed., Springer Verlag (2007).

Esterel: a Formal Method Applied to Avionic Software Development

G. Berry, A. Bouali, X. Fornari, E. Ledinot, E. Nassor, R. de Simone. *Science of Computer Programming* 36 (2000) 5-25.

An Implementation of Constructive Synchronous Constructive Programs in Polis

G. Berry, E. Sentovich. *Formal Methods in Systems Design* 17(2), October 2000, Kluwer Academic Publisher.

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