

Ouvrages publiés sur Z

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“ One of the first discoveries of the research by the Z team was the necessity of separating small chunks of formal material by paragraphs of informal prose, explaining the relationship between the formal symbols and reality, and motivating the decisions that are captured by the formalisation. The drafting of the informal prose was even more difficult to teach, learn and practice than the mastery of mathematical notations and concepts. ” Tony Hoare

1 En anglais

1.1 Bibliographie Z

- Dans Nicholls, ed., *Z User Workshop*, York, 1991, Springer-Verlag, 1992, on trouvera une bibliographie en partie commentée de 299 références d'articles et de livres sur Z. Bristish Computer Society (BCS) Institution of Electrical Engineers (EEE), Numéro Spécial sur Z, Software Engineering Journal, vol n°4, n°1, January 1989. A noter que le nom de J.R. Abrial n'y apparaît pas.

1.2 Revue et livres

- J.M. Spivey, *Understanding Z : A Specification Language and its Formal Semantics*, Cambridge University Press, 1988
- A. Diller, *Z, An Introduction To Formal Methods*, Chichester, John Wiley, 1990
- M. Imperato, *An Introduction to Z*, Chartwell-Bratt Ltd, 1991
- David Lightfoot, *Formal Specification Using Z*, The Macmillan Press, 1991, deuxième édition en 2000 chez Palgrave, Basingstoke
- Monahan, Shaw, chapitre sur Z et l'histoire de Z dans McDermid, ed. *Software Engineer's Reference Book*, Butterwoorth-Heinemann, 1991
- Ben Potter, Jane Sinclair, David Till, *An Introduction to Formal Specification and Z*, Prentice-Hall, 1991
- J. McDermid, P. Whysall, *Formal specification and implementation using Z*, Prentice-Hall, 1992
- Woodsworth, *Software Development with Z*, Addison Wesley, 1992
- I. Hayes (ed), *Specification Case Studies, Second Edition*, Prentice-Hall, 1994 La notation dans la dernière édition est conforme à celle de Spivey
- S. Stepney, R. Barden, D.Cooper (eds), *Object Orientation in Z*, Springer-Verlag, 1992
- R. Barden, S. Stepney, D.Cooper, *Z In Practice*, BCS Practitopner Series, Prentice-Hall, 1994

- J.P. Bowen, *Formal Specification and Documentation Using Z : A Case Study Approach*, International Thomson Computer Press, London, 1996
- J.C.P. Woodcock, J. Davies, *Using Z : Specification, Proof and Refinement*, Prentice-Hall International Series in Computer Science, 1996
- J. Jacky, *The Way of Z : Practical Programming with Formal Methods*, Cambridge University Press, 1997
- J. Derrick, E.A. Boiten, *Refinement in Z and Object-Z*, Formal Approaches to Computing and Information Technology series (FACIT), Springer-Verlag, 2001
- ISO/IEC Information Technology *Z Formal Specification Notation - Syntax, Type System and Semantics*, ISO/IEC 13568 :2003, 2002

2 En français

- La spécification formelle avec Z, David Lightfoot, traduc. fr, complétée et corrigée, H. Habrias, Teknea, 1994
- La notation Z, J.M. Spivey, Traduction de Michel Lemoine, Masson, Prentice-Hall, 1994, version revue et corrigée de la seconde édition du livre de Mike Spivey. Comprend quelques nouvelles petites sections.
- Pascal André, Alain Vailly, *Spécification des logiciels. Deux exemples pratiques récents : Z et UML*, Technosup, Ellipses, 2001
- Pascal André, Alain Vailly, *Exercices corrigés en langage Z, Les spécifications formelles par l'exemple*, Technosup, Ellipses, 2004