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โดย จิรวัดน์ พรหมพร

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**1** [Defect tolerant probabilistic design program for nanotechnologies](#) **3**

Margarida Jacome, Chen He, Gustavo de Veciana, Stephen Bijansky  
June 2004 **DAC '04: Proceedings of the 41st annual conference on Design automation**

**Publisher:** ACM

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**Keywords:** defect tolerance, nanotechnologies, probabilistic design

**2** [Circuit Simulation of Nanotechnology Devices with Non-monotonic I-V Characteristics](#)

Jiayong Le, Larry Pileggi, Anirudh Devgan  
November 2003 **ICCAD '03: Proceedings of the 2003 IEEE/ACM international conference on Computer-aided design**

**Publisher:** IEEE Computer Society

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## ↑ ABSTRACT

While usability research concentrates on evaluating informational documents and Web sites, significant insights can be gained from performing usability testing on texts designed for pleasure reading, such as hypertext narratives. This article describes the results of such a test. The results demonstrate that the navigation systems required for such texts can significantly interfere with readers ability to derive value or pleasure from the fiction. The results emphasize the importance of hypertext authors providing more linear paths through texts and of simplifying the navigational apparatus required to read them.

## ↑ REFERENCES

Note: OCR errors may be found in this Reference List extracted from the full text article. ACM has opted to expose the complete List rather than only correct and linked references.

- 1 [Espen J. Aarseth, \*Cybertext: perspectives on ergodic literature\*, Johns Hopkins University Press, Baltimore, MD, 1997](#)
- 2 Bernhardt, S. A. (1993). The shape of text to come: the texture of print on screen. *College Composition and Communication* 44, no 2 (1993): 151-175.
- 3 [Jay David Bolter, \*Writing space: the computer, hypertext, and the history of writing\*, Lawrence Erlbaum Associates, Inc., Mahwah, NJ, 1991](#)
- 4 Bruner, J. (1991). The narrative construction of reality. *Critical Inquiry* 18, 1-21.
- 5 Douglas, J.Y.(1994). How do I stop this thing?: Closure and indeterminacy in interactive narratives." In G. P. Landow (Ed.) *Hyper/text/theory*. Baltimore: Johns Hopkins University Press.
- 6 Eastgate Systems. Bill Bly: We Descend. Eastgate Systems, Inc.: serious hypertext. [online]. 2000. [cited 30 April 2000]. Available from World Wide Web : <http://www.eastgate.com/catalog/WeDescend.html>



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[Polle T. Zellweger , Anne Mangen , Paula Newman, Reading and writing fluid Hypertext Narratives, Proceedings of the thirteenth ACM conference on Hypertext and hypermedia, June 11-15, 2002, College Park, Maryland, USA](#)

## ↑ INDEX TERMS

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## ↑ REVIEW

### "Mordechai Ben-Menachem"

This is a study of innovative hypertext usage for authoring stories. Patterns and paradigms are described, and uses are articulated and analyzed. The paper shows clear expertise and is well written. However, while the discussion and analysis are well done, I call into question the research technique used.

Techniques and tools are presented for stories written especially for hypertext. This means that the story "changes" depending upon a reader's choice of paths. The story has a plot with blocks of optional text (no computation, other than the path), which the reader chooses by clicking on words in the text. This part of the discussion is well done. The paper then proceeds to describe an experiment performed with four subjects, describes and discusses results of this experiment, and draws conclusions.

The paper is well presented and easy to read; moreover, after reading it, I felt the urge to try my hand at writing such a story myself. There is one difficulty. The research technique used is "qualitative research," which is certainly quite legitimate. However, qualitative research techniques are primarily to present evidence, not draw conclusions. One needs to be careful, in case use becomes misuse. With a sample of only four subjects, no control, and an untold number of variables, it is misleading to draw conclusions and state them strongly. While as a person with poor eyesight, I can sympathize with a statement like "Have options for changing font sizes: one user expressed a desire...", this is insufficient basis for a recommendation. This is my one minor criticism of this delightful paper, which is well worth reading for anyone interested in the field.

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## The Ergonomics of Hypertext Narrative: Usability Testing as a Tool for Evaluation and Redesign

Kim Gee  
IBM Research Triangle Park  
kgee@us.ibm.com

### Abstract

While usability research concentrates on evaluating informational documents and Web sites, significant insights can be gained from performing usability testing on texts designed for pleasure reading, such as hypertext narratives. This article describes the results of such a test. The results demonstrate that the navigation systems required for such texts can significantly

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