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Title word cross-reference

$150$ [1852]. 3 [1862]. $N$ [24]. $O_2$ [226]. $p \times 64$ [164].

- Fold [24].


3.0 [1650]. 3D [1689, 331, 458].

4 [439]. 400 [918]. 47s [1833].

5 [582]. 50th [980].

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Golshani:1990:PSC


Marcellin:1990:GPT


Gaitonde:1990:BDM


McKinley:1990:MTC

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Gifford:1990:PSM


Kierulf:1990:SGB


Joyce:1990:IAB


Gavish:1990:DFM


Rosenberg:1990:SAP


Kumar:1990:PIE


Tillman:1990:SOT


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[Geihs:1990:RD]

[Hirschberg:1990:EDP]

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[62] William Pugh. Skip lists: a probabilistic alternative to balanced trees. *Communications of the ACM*, 33(6):668–676, June 1990. CODEN CACMA2. ISSN 0001-0782 (print), 1557-7317 (electronic). URL http://www.acm.org/pubs/toc/Abstracts/0001-0782/78977.html. This paper presents skip lists, a list in which a node may have a pointer to a node some number of places ahead of it on the list. Such pointers, called "forward pointers", therefore "skip" over intermediate nodes. A node with k forward pointers is said to be a level k node. Skip lists are probabilistic in that the level of a node is chosen randomly with the property that a node’s ith forward pointer points to the next node of level i or higher. It is shown that skips lists can efficiently implement abstract data types such as dictionaries and ordered lists in that the expected time to search for an item is $O(\log n)$.


Korson:1990:UOO

Jordan:1990:IBC

Kilian:1990:TTD

Meyer:1990:LDE

Gibbs:1990:CMS

Wirfs-Brock:1990:SCR

Agha:1990:COO

Henderson-Sellers:1990:OOS


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Bernstein:1991:PDS


Goodman:1991:IPG


Clemons:1991:ESI


Ellis:1991:GSI


Gurbaxani:1991:IIS


Eerkes:1991:PCS


Lamport:1991:MEP

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Kotov:1991:CMP


Tyugu:1991:TNG

Enn Tyugu. Three new-generation software environments. *Communications of the ACM*, 34(6):46–59, June 1991. CODEN CACMA2. ISSN 0001-0782 (print), 1557-7317 (electronic). URL http://www.acm.org/pubs/toc/Abstracts/0001-0782/103708.html. The system PRIZ has been under development at the Institute of Cybernetics, Tallinn, Estonia since mid-seventies. This article describes three environments of different sophistication based on this system: ExpertPRIZ, a simple expert system shell; C-PRIZ, a language integrating imperative programming (C); and NUT (New UTopist; Utopist was the initial programming language...
of PRIZ), an object-oriented environment.

Data elements in Utopist (attributes of objects) can be bound by both inter- and intra-object relations. These relations are used by a propositional theorem prover to generate a proof that it is possible to compute a certain datum given some other data. This (constructive) proof is used to synthesize a program which computes the datum. So PRIZ has a quite non-standard logic component: compile-time proof and program generation instead of run-time clause resolution. These technique are called Propositional Logic Programming and Structural Program Synthesis. NUT is a prototype-based (as opposed to class-based) language: any object can be used as a template (type) for a new object (and of course as a component of a new object). Limited polymorphism is supported through a generic type (any). It is notable that some of the modern programming paradigms (constraint programming, object-orientation, employing logic in computation) have been considered so early.


Kerlow:1991:ADC


Nunamaker:1991:EMS


George:1991:ECC


Phillips:1991:MGM


Neumann:1991:IRCc


Wilkes:1991:CPR


Barlow:1991:EFP


Schoppers:1991:RTK


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Goodman:1991:IPC


Grudin:1991:CI


Ishii:1991:TOS


Francik:1991:PIW


Kyng:1991:DCC


Perin:1991:ESF


Rosenberg:1991:UNS

REFERENCES


Haan:1992:IHS


Subramanian:1992:CDT


Green:1992:EDS


Bunton:1992:PDM


Doerschler:1992:RBS


Fox:1992:PMP

rithms were computationally infeasible for more than a few hundred words.

Frand:1992:SAU

Gries:1992:TR

Gries:1992:TS

Neumann:1992:IRWa

Marquart:1992:AFR

Wolinsky:1992:WPT

Samuelson:1992:LSC

Igbaria:1992:DME
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Lederer:1992:NMG

Clark:1992:CSM

Liker:1992:DTM

Gelernter:1992:CLT

Choobineh:1992:FBA

Gray:1992:ECF

Goodman:1992:PAI

Quesada:1992:ANP
Antonio R. Quesada, Paul Pritchard, and Richard E. James, III. Additional notes on a practical sieve algorithm. Communications of the ACM,


Linn:1992:CCS

Forte:1992:SAS

Neumann:1992:IRI

Shepard:1992:VSP

LaRovere:1992:IPC

Huff:1992:ERC

Maiden:1992:ERS

Norman:1992:ASD
Tate:1992:CTM


Baxter:1992:DMS


Vessey:1992:EVP


Silverman:1992:SEC


Sammet:1992:FGH


Baeza-Yates:1992:TCN


Rotenberg:1992:IRP


Rettig:1992:SPI


Glinert:1992:CPD

REFERENCES


Anderson:1992:ACE


Neumann:1992:SS


Tichy:1992:TCC


Boyd:1992:RDE


Samuelson:1992:DIP


Hart:1992:VNE


Smarr:1992:M


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### Neumann:1992:ACL


### Wilkes:1992:CPA


### Goodman:1992:CME


### Bell:1992:UTB


### Creecy:1992:TMM


### Kennedy:1992:GEI


### Hiranandani:1992:CFD


### Cann:1992:RFD

REFERENCES


Hummel:1992:FMS


Pugh:1992:PAE


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Neumann:1992:IRF


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[LaMalva:1992:APC]


[Neumann:1992:IRAb]


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**Lyles:1993:MSB**


**Fish:1993:VTI**


**Hill:1993:RLA**


**Arango:1993:TMS**


**Milner:1993:EIT**


**Frenkel:1993:IRM**


**Banatre:1993:PMT**


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Denning:1993:TT

Godwin:1993:C

Denning:1993:FT

Shapiro:1993:FGP

Fuchi:1993:LNE

Shapiro:1993:E

Neumann:1993:IRRb

Billington:1993:UCF


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Ruopp:1993:L

Scardamalia:1993:TKB

Hunter:1993:ICT

Pearlman:1993:DNA

Newman:1993:SND

Barron:1993:TEM

Schank:1993:LMC

Grant:1993:WCC

Pea:1993:CVP
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Bjerknes:1993:SPA


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Greenbaum:1993:PPS


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Neumann:1993:IRM


Brown:1993:LTY


Angell:1993:ILB


Steele:1993:FCE


Wilkes:1993:CPF


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Schwartz:1993:DSI


Hesse:1993:RSC


Neumann:1993:IRRe


Hoffman:1993:CC


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Anonymous:1993:ISI


Cohen:1993:COO

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Hutchings:1993:PIL


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Pfleeger:1995:EMW

Goyal:1995:MRP


Weingarten:1995:WRT


Rada:1995:SSS


Vetter:1995:ICA


Vetter:1995:ACA


Kim:1995:ANG


Stevenson:1995:SCA


Schnepf:1995:BFM


Iwata:1995:ACT


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Burnell:1995:SCM


Kraut:1995:CSD


Fung:1995:ABN


Heckerman:1995:DTT


Igbaria:1995:RDJ


Tesauro:1995:TDL


Walstrom:1995:FMI


Arensburger:1995:TOT


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French:1995:WAT


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Kacmar:1995:IZS


Lagoze:1995:DAD


Huser:1995:KBE


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Rada:1996:SSI


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Bayarri:1996:VRD


Fagin:1996:CIL


Lucas:1996:RFE


Feigenbaum:1996:TAL


Reddy:1996:TAL


McLeod:1996:CUC


Anonymous:1996:APC

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Anonymous:1996:NPD


Anonymous:1996:NGC


Anonymous:1996:SDC


Anonymous:1996:ESW


Fox:1996:NTb


Sieger:1996:WCD


Anonymous:1996:AGI


Moore:1996:SSO


Mann:1996:VSC


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