

Chapter corrections *(needed since outsourcing of type setting was not a good idea)*

Albert Y. Zomaya, Young Choon Lee (editors): Energy-Efficient Distributed Computing Systems; Wiley & sons, 2012

Chapter 18: Reiner Hartenstein: "The Paramountcy of Reconfigurable Computing"; pp. 465-547

Wrong captions of figures 18.10 – 18.17. The captions should be the following:

page 493: Figure 18.10: **FPGA to ASIC design start ratio.**

page 494: Figure 18.11: **LUT example**²²³

page 498: Figure 18.12: **Interconnect fabrics example of a routable GA; strong line: example of one routed wire connecting 2 CLBs with each other.**

page 499: Figure 18.13: **History of RC.**

page 501: Figure 18.14: **Better power efficiency by accelerators**³⁴³

page 503: Figure 18.15: **Speed-up factors from software to configware migration.**

page 512: Figure 18.17: **von Neumann principles.**

Type setting of table 18.3 is scattered over pages 481 - 486: **The table should look like this:**

Table 18.3: Some Programming Languages²¹¹ replacing pages 481 - 486

A++	Bertrand	Col	Emacs Lisp	Goo	Karel++	Mathematica	Nusa	Powerhouse	Seed/	Tom
A#	BETA	Cola	Emerald (PL)	GOTRAN	Kaya	MATLAB	NXC	PowerBuilder -	Self	TOM
A#.NET	Bigwig	ColdC	Englist	GPSS	KEE	Maxima (see	o.XML	4GL GUI	SenseTalk	Torsspeed
A# (Axiom)	Bistro	ColdFusion	Epigram	GraphTalk	Kiev	also Macsyma)	Oak	PowerScript	SETL	TPU
A-0 System	BitC	Cool	Erlang	GRASS	KIF	MaxScript	Oberon	PPL	Shakespeare	Trac
ABAP	BLISS	COMAL	Escapade	Green	Kite	Maya (MEL)	Object Lisp	Processing	Shift Script	T-SQL
ABC	Blitz Basic	Common Lisp	Escher	Groovy	Kogut	MDL	Object LOGO	Prograph	SiMPLE	TTGN
ABC ALGOL	Blue	(CL)	ESPOL	HAL/S	KRC	MelloCOMPLEX	Object Rexx	PROIV	SIMPOL	Tuning
Abel	Bon	COMPASS	Esterel	Handel-C	KRYPTON	Mercury	Object Pascal	Prolog	Simscape	Turtle
ABLE	Boo	Component Pascal	Etoys	Harbour	ksh	Mesa	Objective-C	Visual Prolog	SIMSCRIPT	TUTOR
ABSET	Boomerang	COMIT	Euclid	IBM HAScript	KUKA	Mesham	Objective Caml	nomela	Simula	TXL
ABSYS	Bourne shell	Converge	Euler	Haspell	L	Metafont	Objective-J	PROTEL	Simulink	Uberscode
Abundance	(including bash	Coral 66	Euphoria	HaXe	L# .NET	Metal	Obliq	ProvideX	SISAL	Unicon
ACC	and ksh)	Corn	CMS EXEC	High Level	L++ .NET	Microcode	Obol	Pure	Slate	Uniface
Accent	BPFL	CorVision	EXEC 2	Assembly	LabVIEW	Microscript	occarn	Python	SLEEP	uniPaaS
ActForex	BUGSYS	Cog	F	HLSL	Ladder	MIIS	occarn-p	Qi	SLIP	UNITY
Action!	BuildProfessional	COWSEL	F#	Hop	Lagoona	MillScript	Octave	Q	SMALL	Unix shell
ActionScript	nal	CPL	Factor	Hope	LANSA	MIMIC	Omnimark	QtScript	Smalltalk	Unlambda
Ace DASL	C	csh	Falcon	Hugo	Lasso	min	Onyx	QBASIC	SML	UnrealScript
ACT-III	C--	CSP	Fancy	Hume	LaTeX	Mindscript	Opal	QuakeC	SNOBOL	USE
Ada	C++ - ISO/IEC	CSKA	Fantom	HyperTalk	Lava	Miranda	OpenEdge ABL	QPL	(SPITBOL)	Vala
Adenine	14882	Csound	Felix	IBAL	Leadwerks	MIVA Script	OPL	R	Snow	Genie
Afrix	C# - ISO/IEC	Curl	Ferite	IBAL	Script	ML	OP55	R++	Snowball	VBA
Agda	23270	Curry	FFP	IBM Basic as-	Leda	Moby	OptmJ	RAPID	SNUSP	VBScript
Agna	@	Cyclone	FILETAB	sembly langua-	Legoscript	Model 204	Oracle	Rapira	SOAP	Verlog
Agna	CAL	D	Flolnir	IBM Informix-	Limbo	Modula	Or	SOA	SOA	VHDL
AIS Balise	CAShne ObjectS-	#	Flavors	4GL	Limor	Module-2	ORCA/Modula-2	Rattor	Scan	Visual Basic
Aikido	cript	DASL	Flex	IBM RPG	LINC	Module-3	Orwell	RBScript	SPARK	Visual Basic.NET
Alef	Caml	DASL	Flow-MATIC	ICI	Lingo	Mohol	Oxygene	rbx.Lua	Spice	Visual C++
Alef++	Cat	DataFlex	Fly	Icon	Lioleum	MOLSF	Oz	rc	SPIN	Visual C++ .Net
ALF	Cayenne	Datalog	FOCAL	Id	LIS	MOONIAN	PARI/GP	REBOL	SP/ik	Visual DataFlex
ALGOL 58	Cecil	DATATRIEVE	FOCUS	IMP	LISA	MOON	Pascal - ISO	Redcode	SPS	Visual DialogScript
ALGOL 60	Cel	dBase	FOCUS	Inform	Lisaac	Mortran	7185	REFAL	Squeak	Visual FoxPro
ALGOL 68	Cesil	dc	FORMAC	FormWare	Lisp - ISO/IEC	Moran	Reia	Reia	Squirrel	Visual J++
Alice	CFML	DCL	FORMAC	lo	13816	Mouse	PCASTL	Revolution	SR	Visual Objects
Alma-0	Cg	Deesel (formerly	@Formula	loke	Lite C link title	MOL	PCF	rex	SSL	Vvvv
Amibi	Ch interpreter	(C/C++ inter-	Delphi	IP	Little b	MO4	PEARL	REXX	Strand	WATFIV
Amiga E	AMOS	preter)	Dialect	Fortran - ISO/	Logix	MO5	Perl	Rlab	Stateflow	WATFOR
AMPLE	Chapel	DinkC	IEC 1539	IronPython	Logo	MPD	ROOP	ROOP	Subtext	WebQL
AngelScript	CHAIN	Dialog Manager	ISPF	ISPF	Lotalk	MSL	RPG	RPG	Superio	Wimbatch
Apex	Charity	DIBOL	FoxPro 2	ISWIM	LOTUS	MSL	Phrogram	RPL	SuperCollider	X++
APL	Chef	DLI	FP	J	LPC	MSX BASIC	Pict	RSL	SuperTalk	X10
AppleScript	CHILL	DM	Franz Lisp	J++	LSE	MUMPS	Piet	RTLJ2	Swift	XBL
Arc	CHIP-8	DotLisp	Frink	J#	LSL	Murphy Language	Pike	Ruby	SYMPL	XC (e. XMOS)
Arduino	chomski	dylan	F-Script	JADE	Lua	Mythril	PIKT	S	SyncCharts	XCORE
ARexx	CHR	dylan.NET	Fuxi	JAGEX	Lucid	Napier88	PILOT	S2	SystemVerilog	xHarbour
Argus	Chrome	Dynace	Gambas	Jako	Lush	NATURAL	Pizza	S3	TACL	XOTcl
ARLA	Chuck	DYNAMO	GameMonkey	JAL	Lustre	NEAT chipset	PL-11	S-Lang	TACPOL	XPL
Asp	CICS	E	Janus	JASS	LyaPAS	Neko	PL0	S-PLUS	TADS	XPL0
Assembler	Cilk	Ease	GML	JAVA	M	Nemerle	PLB	SA-C	TAL	XQuery
an BASIC	Cl (Honeywell)	Easy PL/I	GAP	JavaScript	M2001	NESL	PLC	SAC	Tcl	XSLT
ATS	CL (IBM)	EasyCoder	G-code	JOL	NetData	NetLogo	PLM	SAIL	Tea	XPath
AutoHotkey	Clanion	EASYTRIEVE	GDL	JEAN	NEWLISP	NEWLISP	PLP	SALSA	TELON -	XML
AutoIt	Clanion	PLUS	Gibiane	Join Java	MAD	NEWP	PL/SQL	SAS	Mainframe	XMOS
Averest	Clean	eC (Eclere C)	GJ	JOSS	MAD/I	NEWP	PL/SQL	SAS	Online IMS/	Y
AWK	Clipper	ECMAScript	GLSL	Joule	Magik	NewtonScript	PL360	SASL	COBOL	Yonick
Axum	CLIST	Ecol	GM	JOVIAL	Magma	NGL	PLANC	Sather	Generator	YAL
Ateji PX	Clojure	eDeveloper	GML	Joy	MapBasic	Nial	Plankalkül	Sawzall	TECO	YQL
B	CLU	Edinburgh IMP	Go	JScript	Maple	Nice	PLEX	SBL	TELCOMP	Yoix
Bash	CMS-2	EGL	Go!	Jython	MAPPER	Nickle	PLEXIL	Scala	gt-Telon	Z
BASIC	COBOL - ISO/	Eiffel	GOAL	JSP	MARK-IV	Nomad2	Plus	Pliant	TenCORE	Z notation
bc	IEC 1989	Einstein	Gödel	JSP	VISION-BUILD	NPL	POP-11	Plus	TeX	Zeno
BCPL	CobolScript	ELAN	Godiva	JavaFX Script	K	DER	Poplog	Scratch	TEX	Zonnon
BeanShell	Cobra	elasticC	GOM (Good Old	Kaleidoscope	Mary	NSIS	PostScript	Script.NET	TIE	ZOPL
Batch (Windows/	Dos)	CODE	Mad)	Karel	Assembly x86	Nu	Portable	Scriptor 4GL	trimBasic	ZPL
								Sed	Timber	ZZI-oop

Extensions to the list of acronyms on pages 527 - 529

ANN	artificial neural network	FLOPS	floating point operations per second	NoC	network on chip	ReRAM	resistive RAM
ATM	automated teller machines			NVM	non-volatile memory	RRR	Rethink, Redesign & Rebuild
BEE	Berkeley Emulation Engine	FPRM	field-programmable read-only memory	NVRAM	non-volatile computer memory	SOC	system on chip
CFB	configurable function block			ORNL	Oak Ridge National Laboratory	TDDB	time-dependent dielectric breakdown
CPS	cyber physical systems,	HCD	hot carrier degradation	OTP	one-time programmable		
DSP	digital signal processing	HWD	hardwired logic devices	PE	processing element	TM	transactional memory
EM	electro migration	ICT	information and communication technology	PPC	product planning & control	UAV	unmanned aerial vehicle
FeRAM	ferro-electric RAM	IEA	International Energy Agency	PRAM	phase-change RAM	WEF	world economic forum
FFT	fast Fourier transform	MIPS	million instructions per second	RRAM	resistive RAM	wiki	Wikipedia

The list of references may have a few minor numbering errors by screwing up the format given by the author.