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**Title word cross-reference**

- **z** [LCZL14].
- **-Equivalent** [LCZL14].

**2002** [Ano02].  **2013** [HP15].

**Abstract** [XMA†14, Jac95a, Pon02].  
**Abstracting** [Gun00].  **abstraction** [CF03, Egy02].  **abstractions** [BG98, DBGU13].  **access** [BDL06].  
**accommodates** [YHR92].  **Accounting** [SM12].  **Achieving** [BJMH02, HAB13, LBZ14].  
**Acknowledgement** [ACM05].  **ACM** [NP08].  **across** [CSV13].  **action** [HN98].  

**Active** [MS15].  **activity** [Esh06].  **activitycharts** [BRG+01].  **Ada** [Dil93, Dil97, DBDS94, YTL95].  **ADAM** [GL14].  **adapt** [DPT13].  **Adaptive** [DR11, HWH14, VTA04].  **Addendum** [HT98].  **Address** [Zav04].  **adequacy** [KSD08].  **Adequate** [GGZ+15].  **adopting** [SAB+14].  **against** [EWS14, IC14].  **agents** [MPR06].  **aggregator** [BPT10].  **agile** [CF10].  **AI** [OHDB92].  **AI-based** [OHDB92].  **aided** [SB06].  **algebra** [ZB13].  **algebraic** [HRD08, PPP94].  **algebras** [BCD02].  **algorithm** [BS07, YHR92].  **algorithms** [HT98, HVT98, KK93].  **aliasing** [FYD08].  **alignment** [UFG14].  **alloy** [FPB+05, MPF14, Jac02].  **Alphabet** [FDB+12].  **Amoeba** [DCS09].  **among** [GL11].  **Amplifying** [ZE14].  **analyses**
coordination [CFM00, MU00, MPR06, Tiw08]. CORBA [CPPRM03]. CORBA-based [CPPRM03].
corners [ZJ97], correctness [Hie06, MA14].
Correlations [GL11], correspondence [CW99]. Corrigenda [DFB99a].
cost [ATW94, Bre95, REM+04, Wey96].
cost-effective [REM+04].
Countermeasures [EWS14]. Coupling [KK04, MB07, Off92]. Coverage [GGZ+15, YHC13].
Crasher [CSX08].
critical [GM01, MS94]. cross [DCS09].
cross-organizational [DCS09].
crosscutting [SGL12, MVM07].
cryptographic [DFG00]. CSCW [KAT12].
CPU [MPR+13]. Crash [ZSL+13]. Crash-Triggering [ZSL+13].
crasher [CSX08]. criteria [Hie02, KSD08].
critical [GM01, MS94]. cross [DCS09].
cross-organizational [DCS09].
crosscutting [SGL12, MVM07].
cryptographic [DFG00]. CSCW [KAT12].
CSP [SLD+13], customizable [Dev99].
cycles [SS02].

dahl [Ano02], dark [ZJ97]. DARWIN [QRLV12].
Data [NBB15, BCC+01, BG98, CW98, FK96, For94, OSH04, TZZ09, WGG13]. database [CF03, PWX14, WGSD07].
dataflow [KSD08]. David [Ros13b]. deadlock [DBDS94]. Debugging [FSP+13, JO15, AM04, HRD08, OSH04, QRLV12].

decentralized [ML00]. Deciding [SGD15].
decisions [AM11], decoupling [BTI14].
deduction [FS93], deductive [GM01].
Delta [HT98, HVT98].
dependence [Di97, SHR01, SRK06].
dependencies [Jac95a, OSH04].
dependencies [BG0+14, Gun00, Rob08].
dependency [CY11, GL14].
dependency-based [CY11].
description [DvdHT05, D397].
descriptions [AAG95, BAD08, WJ10].
descriptors [DER10]. Desert [Rei99].
Design [BPT10, EK11, MFL12, SGR+15, BM07, BO92, BRRP05, BFN+14, CSC06, CR94, 
FBC+13, FP02, GGLT07, LL00, MRK+97, RS09, SS06, SB06, SGR+10, YT+95, ZB13].
Design-Pattern [SGR+15].
Designing [BCC+01, DL11, XM07, CPPRM03].
designs [SB02]. Detecting [AVY11, MM13, ZSL+13, Jac95a, LS13].
Detection [LRCS14, MS14, RD15, SKBD14, XMA+14, ZAW92, FN03, Kul99, SMT92, TK02, XR13].
determination [OLR+96]. developer [CF10, FMMH+14, Sin10].
Developing [HRD08, ZJW03, MGMM11]. Development [MS15, AM11, DvdHT05, EAS08, ELN+92, 
GJ08, KK93, MFH02, PSV01, SCK13, Tiw08].
development-oriented [AM11].
deviations [CDFG96]. diagnosis [NLR11].
diagram [BP05]. diagrams [BM13, Egy02, Esh06, LK14]. DIG [NKWF14]. Dijkstra [Ano02].
Directed [YPRK14]. discipline [KLV05].
Discovering [CW98, GL11].
Discovery [SPK14, GL14]. discrete [Ost99].
Distributed [Hie14, TG11, WME93, KK93, MU00].
distribution [TS09]. diversity [HAB13].

Do [LYYC14, SURL11, CAC08].
documentation [TBS92]. Documenting [SGR+15]. documents [SMT92]. Does [FSM+15].
Domain [HZS08, ZE14, BJMH02, BAD08, Hie09, JW94, SS06, ZAW92]. Domain-specific [HZS08, BJMH02, SS06].
domain-testing [JW94], domains [Hie02]. Double [For94].
driven [BDL06, GL14]. DSD [CSX08].
DSD-Crasher [CSX08]. duplication [DER10]. DynAlloy [FPGA07]. Dynamic [NKWF14, XMA+14, CY11, DR10, FC00, 
FPB+05, GSH97, PJRR10]. dynamically [WGSD07]. Dynamite [MPF14].
E3 [JPL98]. editing [BGdV92]. Editorial [GMRS03, Ghe05, Ghe07, Not07a, Not07b, Not07c, Not08a, Not08b, Not09, Not10, Not12, Not13, OGWK05, Ros13a, Ros13c, Ros14a, Ros14b]. Edsger [Ano02]. Effect [HZBS14, RST+14, ZSL+13, Off92, Sin10, ZXLC14]. Effect-Oriented [ZSL+13].

Effective [FYD+08, RD15, CF10, Hen97, REM+04].
effectiveness [CM08]. efficiency [LH02].
efficient [AVY11, FPGA07, SRK06, dFLSV14, RH97].
efficiently [DLI1]. Effort [WOM15, AM11, BM07, GJ08, MY13].
elaboration [UKM04]. Eliciting [JPL98].
Embedded [BNB14, MFLL12, GGIL07].
Emergent [LBZ14]. Empirical [FSM+15, MBH09, BM07, BGH07, GHK+01, HT98, HVT98, MB07, MC08, MNGL98, SR05, Tiw08].
enabled [VTA04]. Enabledness [DBGU13].
Enabledness-based [DBGU13]. end [Dev99, LASL13]. end-user [LASL13].
Engineering [DLI1, MP14, ACF97, CDP04, ELvdH+05, KLV05, LASL13, RSB05, SR05, TBS92, UFG14, ZJ97].
enGINEERS [HBB+09]. Engines [SURF11]. enhanced [SS06].
Enhancing [TS09]. environment [ATW94, Bre95, FGMP03, Kli93, MRK+97, Rei99, RVMR04, SN92, TY92].
environments [ACF97, DHW98, ELN+92, KK93, Kli93, MGP+93, PJRR10, PWD+99].
equations [BRG+01, KGA+12].
Equivalence [LH02, DSV03]. Equivalent [LCZL14].
Error [AG98]. error [Kuh99, TK02]. errors [TD01, ZAW92].
ESP [Cia93]. estimates [GJ08].
estimating [BM07]. Estimation [PMM+99, WOM15, MY13, TZZ09].
evaluate [MGP+13]. Evaluating [LH08, WGG13]. Evaluation [FA14, MS15, CAC08, DBD894, KK93, MBH09, XCKX13].
evaluations [SM12]. event [BCTW96, CW98, DBPU13, Mem08].
event-based [BCTW96, CW98, DBPU13].
every [LYYC14]. Evolution [DR11, RM03, RVMR04, SN92, THHB06, WGG13].
evolutionary [Hen97, MBH09].
evolvability [CS12]. evolving [DCS09, QRLV12].
EvoSuite [FA14]. exact [HKMB+14]. Exception [CMP13, ZE14, RM03].
Execution [YPRK14, AM04, DiI93, DHW98, SMAC08].
experience [CMCP+99, YTL+95].
experiment [BFN+14]. Experimental [DO93, DBDS94, ORL+96, SMT92].
Experiments [SGR+15, Ham09, YBL13].
expert [CF10, Kip92]. Exploiting [CGPP15].
exploration [QNR13].
Exposing [LBZ14].
expressions [KGA+12].
Expressive [TG11].
Extracting [KM10].
extractions [MN96].
faceted [DFB99a, DFB99b].
Facilitating [YBL13].
factors [SAB+14].
factory [BCC92, FLM+98].
Failure [NL11, Wey96].
Failure-Causing [NL11].
Failures [JO15].
families [BCD02].
Family [SGR+15].
Fan [MV07].
Fan-In [MV07].
Fault [Kuh99, YHC13, CCX11, Hie02, Hie09, KB07, LY05, MA14, SMT92, TK02, XCKX13, ZSL14].
Faults [HZBS14, LS13].
Feasibility [EK11].
Feature [FN03, ZS97, ZSL+06].
features [DR10, Zav04].
feedback [GJ08].
Field [JO15].
finding [CSX08].
fine [BRR01, DL13].
fine-grained [BRR01, DL13].
Finite [BM13].
finite-state [Cor00].
FlagRemover [BHL11].
flags [BHL11].
Flexible [NEFE03, BTI14].
Flow [DCCN04, For94].
flow-sensitive [For94].
flows [MP09].
Foraging [FSP+13].
Formal [NP05, CR94, EWS14, AG97, AG98, BRR05, BKM07, CS12, CMCP+99, CRST12, CPPRM03, FP02, MMST14].
PGM12, SCK13, VTA04, SB06).


Four [ZJ97, CD98]. frames [KK04]. Framework [DR11, KAT12, MS15, YBL15, BCTW96, CDP04, CDFG96, Dev99, For94, MS03, SGL12, WGG13]. free [KGA+12, vdBV96]. front [Dev99].

forward-end-retargetable [Dev99]. Functional [Bro93, GD08, RST+14, MGP+13]. functions [Hie09, MPG+13, VKV03].


generic [LL00]. GENOA [Dev99]. goals [DBPU13]. governed [MU00]. GQM [FLM+98]. grained [BRR01, DL13].

grammars [KGA+12]. grammarware [KLV05]. Graph [PTY95, MNGL98].

graphical [DKM+94, MRK+97]. graphs [SRK06]. GreASE [dFLSVG14]. growth [JMS08].

guarantee [CA08]. GUI [Men08, XM07, XM08]. GUI-based [XM07]. Guided [PWX14]. Guidelines [GGZ+15].

HAMPi [KGA+12]. handle [LYYC14].

handlers [CMP13]. Handling [ZE14]. hard [CAC08]. healing [CMP13]. Help [FSM+15]. heterogeneous [MU00].

intrinsic [CGPP15].

interpretation [CSC06].

interpreters [BP05].

Interprocedural [OO92, SHR01, For94].

interval [CDSM10, DKM+94].

interval-based [CDSM10].

Intrinsic [CGPP15].

Introduction [HP15, MP14, NP08].

Invariant [NKWF14].

Invariants [NKWF14].

investigating [HBB+09].

Investigation [LRCS14, MC08].

Investigations [OO92].

invocation [SPAK10].

IP [MR99].

ISSTA

[NP08, HP15].

Issue [HP15, MP14]. items [Gun00].

iterative [For94].

J [TS09].

J-Orchestra [TS09].

Java [BS07, Cor00, HRD08, KM10, MRR05, RD15, TS09, XR13].

Johan [Ano02].

Join [BTI14].

KBSE [DJ97].

Key [SAB+14]. knowledge [FMMH+14, KK04, MG00]. knowledge-based [KK04, MG00]. Kristen [Ano02].

label [ML00]. Language [WB13, BGdV92, CL94, CFM00, ZG05, JPL98, SH095, TY92, WAF00, MRR02].

group [BGdV92, WAF00]. languages [BJMH02, BHR95, CDSM10, DvdHT05, HZ080, KSD08, RS005, vdBV96].

Larch [CL94].

Larch/Smalltalk [CL94].

Large [BNB14, FA14, MC08, PSV01].

Large-Scale [BNB14, FA14, PSV01]. latent [BGO+14].

Lattice [DDE11].

Lattice-Based [DDE11].

Law [MU00].

law-governed [MU00]. laws [LSV08]. layers [SB02]. lazy [FC00]. leak [XR13].

Learning [MS15, BG96, MY13]. legacy [THH06].

Level [BNB14, AM04, CTCC98, KSD08, MMST14, Sin10]. levels [CTC01].

lexical [MN96]. libraries [ZW95]. library [OHDB92]. life [SS02]. Lightweight [MN96, Jac02].


LSCs [MHK11].

LTL [BLS11].

machines [WJ10].

macro [Sin10].

macro-level [Sin10]. Mae [RVMRM04].

majority [MM13].

management [DFOT07, ELvdH+05, Jez99].

Managing [HN98, RVMRM04]. Manipulation [MS14, BG98]. Many [KMS+15].

Many-Objective [KMS+15].

Markov [WP93]. Marple [LS13]. marts [BCC+01].

matching [ZW95, ZW97].

Math [SPK14].

mathematical [Sae96].


Merging [FDB+12, LDUD13].

Message [RGS12, CR94].

meta [Kil93, HZ08].

meta-AspectJ [HZ08].

meta-environment [Kil93].

metalocking [BS07]. Metamodel [PBO07].

Metamodel-based [PA12, CF10, BRRP05, MG00, MM13].

Method-Method [AB12]. Methodology [LBZ14, CTC01, DCS09, FGL+12, FRB+06, HGS93, KSD08, MPR+13, MGMM11, RBL+01, SCK13, ZJW03]. methods [CMCP+99, DFOT07, DBDS09]. Metric [AB12, PMS13]. metrics [CSC06, KK04, MSW12, MB07].

middleware [EAS08, MPR06, VTA04].

Migration [SPK14].

millions [MP+13].

Minimal [NL11].

Mining [SPK14].
mitigation [MA14].

Mobile [RMP97, ZE14, CFM00, FGMP03, FC00, MZ09, MR99, PRM01]. mobility [MPR06, PRM01]. Mockups [RST+14].

Model [BDL06, BS07, EBE+14, MMST14, NBB13, LDUD13, WOM15, BKM07, BGL00, CS12, Cal95, CDEG03, CW99, Di93, Esh06, FGMP03, HAB13, JGB12, KF07, LL00, MS03, MN96, MPR06, ML00, NLR11, PBO07, RVMMR04, SMAC08, SS06, SGE00, TZZ09, VTA04, XM08].

Model-based [MMST14, HAB13, MS03, SS06, TZZ09]. model-checking [BGL00, CDEG03, FGMP03, KF07]. Modeling [BRG+01, FMMH+14, MFL12, MR99, MRRR02, SL+13, BCFM06, BAD08, CDP04, DCS09, DHW98, PWD+99, SB06].

Modelling [BZSW14, DGC14, Jac02].

Models [FD+12, RGCS14, WB13, YBL15, BDL06, CMCP+99, CW98, Cor00, JPL98, MGP+13, MG00, MPF14, ODV+09, PTY95, SGG+14, SCK13, UKM04, YBL13]. modern [RS05]. modifiability [SGG+14].

Modular [Srg+10, DvdHT05, FC00]. modularity [CS12, HE13, SPAK10]. modularization [BGO+14]. monadic [TPT13]. Monitoring [DDE11].

motivations [HBB+09]. Mozilla [MFH02]. Multi [CDEG03]. Multi-valued [CDEG03].


Non-Adequate [GGZ+15]. nonanomalous [DBPU13]. Nonequivalence [dFLSV14]. noninteractive [ZZL+06].

noninterference [DFG00]. notation [FP02, Jac02]. notations [BP05, CDP04].

Notkin [Ros13b]. NSGA [MKS+15]. NSGA-III [MKS+15]. numerical [SMAC08]. Nygaard [Ano02].

Obituary [Ano02]. Object [AB12, MS94, TG11, Cal95, CTCC98, CTC01, CSC06, DF99a, DF94, Jac02, MR05, RS09, RM03, SS02, SB02].

Object-Oriented [AB12, MS94, CTCC98, CTC01, CSC06, DF99a, DF94, RS09, RM03, SB02]. objected [DF99b]. objected-oriented [DF99b]. Objective [MKS+15]. obliviousness [HE13]. OBSERV [TY92].

observational [PSV01]. OCL [QT12]. Ole [Ano02]. Ole-Johan [Ano02]. Open [RGCS14, MFH02, Sin10]. Open-Source [RGCS14, Sin10]. operators [OLR+96].

opinion [CF10]. oracles [XM07]. Orchestra [TS09]. Order [SG15, LWF03, TPT13]. organizational [DCS09]. Oriented [AB12, ZSL+13, AM11, CTCC98, CTC01, CSC06, DF99a, DF99b, DF94, DR10, FGL+12, HE13, MS94, ODV+09, RS09, RM03, SB02, SGR+10].

outcome [GJ08]. output [KM10, QNR13]. overlapping [HaK92].

Pacemaker [BZSW14]. Pan [BGdV92].

Parallel [KK93, PSV01, RD15, SMAC08]. Parameter [TG11]. parameterization [BAD08]. Parameterized [MRR05].


Path [DDE11, QNR13, SG15, TPT13, LS13, SRK06]. Path- [TPT13].


Personalized [ZL13]. Perspective
[FSP+13]. pervasive [MZ09, XCCY10].
phase [JGB12]. philosophies [MSW12].
pilot [XM08]. PL [DL11]. Place [MS15].
Place-Aware [MS15]. Platys [MS15].
point [BTI14]. pointers [OSH04]. points
[HL08, MRR05]. points-to [HL08, MRR05].
policies [BJW09]. Polychronous
[GGLT07]. Polynomial [NKWF14].
Portfolio [MPG+13]. Post [JMS08].
Post-release [JMS08]. potentially
[ZXLC14]. Power [LSV08]. practice
[ELvdH+05]. pragmatic [HW12].
Preliminary
[AB12, LRCS14, XR13]. Prediction
[KL13, ZXLC14].
PRIME [PWD+99, MGMM11].
Prioritization [HZZ+14, YHC13]. privacy
[ML00]. probabilistic [JGB12]. Problem
[SKBD14, HKM+14, MY13]. procedure
[BHR95, MGP+13].
Process
[BCFM06, LDUD13, ACF97, BCD02, 
BAD08, CW99, DHW98, GRT09, JPL98, 
ODV+09, PWD+99, SR05, SH095].
process-centered [ACF97].
process-integrated [PWD+99].
process-oriented [ODV+09]. processes
[Cia93, CW98, DCS09, FGMP03].
processing [ATW94, Bre95]. Product
[DL11, BJMH02, KATS12, MC08].
product-lines [BJMH02]. production
[TBS92]. products [JMS08]. profiling
[XR13]. Program
[BHR95, MTRK14, BG96, BGH07, BG98, 
DBGU13, EF05, GN93, HS08, KM10, 
LH02, OSH04, YHR92]. Programming
[KAT12, MZ09, HE13, Klh93, RS05, SH095].
Programs
[EK11, IC14, CTCC98, CF03, 
Cor00, DF94, FC00, HZZ13, MP09, PTY95, 
QRLV12, SMA08, TS09, YTL+95].
project [Sin10]. Projects [RGCS14].
Proof
[FC00]. proofs [KKLS02]. Properties
[LBZ14, CK99, DCCN04, FPB+05, JGB12, 
Sin10, SGE00]. Property
[CSV13, DDE11, NBB15]. Protecting
[ML00]. protocol [Ber94, Pet97]. protocols
[CJMO0, DFG00, PBCT10]. prototyping
[TY92]. provenance [MGMM11].
provenance-aware [MGMM11]. purely
[FPB+05]. PVS [MPF14].
QoS [VTA04]. QoS-enabled [VTA04].
quality [CF03, GL14, MGP+13].
quantitatively [CW99]. queries
[WGSD07]. query [PJRR10, WGG13].
questions [KM10]. QVM [AVY11].
Race [RD15]. rationale
[FBC+13, YTL+95]. reachability
[CK96, CK99, PTY95]. reactive [FS93].
real [Cal95, FM94, FP02, GLLT07, 
MRK+97, Ost99, Pon02, SLD+13, WME93].
real-time [Cal95, FM94, FP02, GLLT07, 
MRK+97, Ost99, Pon02, SLD+13, WME93].
Really [FSM+15]. Reasoning
[EBE+14, FPB+05, GZ05, PRM01, CAC08, 
HN98, RMP97, VTA04]. Recommenders
[AM11]. Recommending [DR11].
recompilation [ATW94, Bre95].
Reconciling [SN92]. Recovering
[DOFT07]. reduce [Cor00]. reduced
reduction [DBDS94]. Redundancy
[CGPP15, HZZ13]. Reengineering
[Sne96, CF03]. Refactoring
[FSP+13, SGL12]. referees [ACM05].
reference [BCC92]. refinement [Ost99].
refinements [SB02]. reflective [LL00].
region [DER10]. regression
[BRR01, GHK+01, Mem08, RH97, REM+04].
regular [KGA+12]. Regulatory
[GL11].
Reifying [Jez99]. reimplementation
[CF03]. relational [FPB+05]. release
[HKM+14, JMS08]. relevant [MPG+13].
Reliability
[KL13, JMS08, PMM+99, Wey96].
Remodelization [MKS+15]. Removing

Representing [RM07, DER10]. Reproducing [JO15]. Required [LK14]. Requirements [GL11, RST+14, CRST12, CD98, GM01, GZ05, HJL96, SMT92, SR05, UFG14, ZJ97]. research [EAS08, ELvdH+05, RSB05].


safe [BRR01, BTI14, RH97]. safety [BFN+14, CK99, SGE00, SRK06].

SAFKASI [WAF00]. Sampling [DDE11, PP93, PPM+99]. satisfiability [BM13, PMS13]. Sator [BPT10]. Scalable [XMA+14, BRR05, HKMB+14, HAB13].

Scale [BNB14, FA14, PSV01]. Scaling [HZZ13, LCZL14]. scenario [UKM04, WJ10]. scenario-based [UKM04].


Search [SUR11, SED14]. Searching [MPG+13]. second [TPT13]. second-order [TPT13]. section [NP08]. security [BDL06, BLW09, CJM00, WAF00].


Semantic [BAD08, PJRR10, MG00]. Semantics [LK14, HN96, YHR92]. semantics-preserving [YHR92]. Sensing [BZSW14].

Sensitive [BDG92]. simplified [JW94]. Simulating [FS93]. simulation [KKL02]. size [BGG07, GD08, HGS93, MGP+13, TZZ09, ZXLC14].

slice [BG07, MB07]. slice-based [MB07]. slices [BFN+14]. Slicing [XMA+14, GSH07, LH02, TD01].

slicing-based [TD01]. Small [HZBS14, Sin10]. small-world [Sin10].

SMC [SGE00]. Smell [SKBD14]. Smells [HZBS14, SNIAFL [ZL+06]]. Software [BNB14, CW99, DHH98, EWS14, EF05, EW11, FSM+15, HH95, MFL12, MY13, MKS+15, MP14, RGCS14, WB13, WOM15, YQTR15, AAG95, ACF97, BCTW96, BO92, BGO+14, BCD02, CS12, CTC01, CM08, Cia93, CW98, CD04, CD98, DvdH05, DFOT07, DCCN04, ELN+92, ELvdH+05, FK96, FLM+98, G08, Gunn00, HBB+09, Hen97, HW12, JPL98, JMS08, KK93, LASL13, LSV08, MMST14, MRR02, MSW12, MFH02, MC08, NLR11, NP08, Off92, ODV+09, PSV01, PP93, PPM+99, PSMV98, Rob08, RS05, SRK06, SN92, SHO95, TZZ09, Tiw08, TBS02, UFG14, VD13, WP93, WGG13, XM07, XR13, ZW07, ZW97]. solver [KGA+12]. Solving [SED14].

Some [HZBS14]. Source [RGCS14,
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