A Complete Bibliography of Publications of Claude Elwood Shannon

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Abstract
This bibliography records publications of Claude Elwood Shannon (1916–2001).

Title word cross-reference

$27$ [Sil18]. $4.00$ [Mur57]. $7 \times 10$ [Mur57]. $H'$ [Siq98]. $n$ [Sha55d, Sha93-45].
$P/N \to \infty$ [Sha48]. $s$ [Sha55d, Sha93-45].


2001 [Bau01, Gal03, Jam09, Pin01]. 2D [ZBM11].
3 [Cer17].
6G [SB21].

B [HGR+12, SW93h]. backgrounds [WMS+12]. Backlash [Sha41a, Sha93c]. bacterial [ABS+13]. Ballistic [FS43]. Band [Sha54a]. Bandwagon [Sha56a, Sha93d]. Bandwidth [Sha44d]. basada [Pla06]. base [JGH00].
Jam09, Joh01, Lew01, Nah13, NWV94, O’R12, Pin01, Pri82, Pri84, Pri85, Roc10, Roc11, RHQ+16, Sch06, Sha82a, Sha02, Sha14, Sla97, SW93k, SW93l, SG17, SF03, SK01, Str14, Van89, Wal01b, Zac16. Closing [Gui04]. Closure [Sha44c]. Clustering [DGH+06]. coasts [YLR+10]. Cobol [Bar01]. Code [Loe59, OS46, Sha43b, Gui04, Wri67]. Codes [Sha93-36, Gui04, Sha59c]. Coding [Bar01]. Code [Loe59, OS46, Sha43b, Gui04, Wri67]. Codes [Sha93-36, Gui04, Sha59c].
Dartmouth [MMS06]. Data
[BSWCM14, BBS46, Cor87, Sha41c, WVB10, Bla65, LCW⁺₁₆, LHA⁺₁₆].
data-smoothing [Bla65]. database [GB01]. Datalog [KNS17].
Daubechies [JZL98]. Days [Bul15]. Decomposition
[GBR07, LB08, MHBL12]. Decrease [Szi64]. deep [HGR⁺₁₂].
Degree [ABS11, YN11]. Delay [Sha41f, Sha41e, Sha93⁻⁴¹, Sha93⁻₄₆].
Demonstrates [Sha14]. demonstrating [LHA⁺₁₆]. Demonstration [Sha14].
densities [AALR09, Liu07]. Dependent [WVB10]. Derivation [BS50, BS93].
Derivatives [Sha54a]. Description [Sha50j, Sha93⁻₄₂]. Descriptor
[WVB10, GB00]. descriptors [GB01, GPM06, SGB02]. Desflurane
[BLR⁺₀₂, BLR⁺₀₁]. Design [FM99, Sha42, Sha93⁻₅₅, SM53].
Detection [Sha44a, Sha93⁻₉, HSBJ02, HTR⁺₀₈, LMC11]. detectors
[WBB⁺₁₂]. detects [CFRC04]. Determine [Sha45b], determined
[YLR⁺₁₀]. Deutung [Sha57b], developed [Kah84]. Development
[Sha85, Sle74]. Developments [Sha50f, Sha50i, Sha93⁻₄ₒ]. Device [PST4₈].
diagnosis [TKL⁺₁₂]. diagnostic [Rif8₅]. diatom [Siq9₈]. Dictionary
[Cor8₇]. Dies [Ano01a, Bar01, Joh01, Ano01c]. difference [Sen2₁].
differences [GB0₁]. Differential
[GB0₁, Sha4₁₉, Sha4₂, Sha93⁻₇, Sha93⁻₅₅, SGB0₂, Sha4₁d]. Difficulty
[Efr0₈]. diffusion [LS₁₀]. Digital [ACK⁺₀₁, Ano0₁c, Bul1₅, Cou0₁, Gο₄₉,
LP₁₂, Shₐ₅₀c, Ano0₁b, Cer₁₇, Eme₀₁, HDC9₆, Cas₁₆, Wa₀₁b]. dimension
[RAL⁺₀₈, SBS⁺₁₃]. Dimensional [Sha7₈, GWZC₁₂, SJ₀₄]. dimensionality
[CS₀₉, POA⁺₀₈]. Diorama [Sha₈₂₉, SW₉₃b]. Director [Zor8₉, Pin0₁].
Director-Elect [Pin0₁]. discipline [Mat9₄]. Discrete
[Sha₄₈g, Sha₅₉₉, Sha₅₉₉, Sha₉₃ᵢ, Sha₉₃w, Sha₉₃ₓ, Sha₆₀, SGB₆₇₉, SGB₆₇b].
Discussion [CMU⁺₅₃, CMU⁺₉₃]. Disjunctive [KNS1₇]. distinctions
[Ell0₉]. distinguish [WMS⁺₁₂]. distinguisher [AMS⁺₁₀]. distinguishing
[HN₀₉]. Distortion [Sha₅₉₉]. distribution [Di₀₀, NS₁₂]. Distributions
[WVB₁₀, AALR₀₉, GPM0₆]. Divergence [CCHL₀₅, MPPP₉₇]. divergences
[AALR₀₉]. diversity [BQhH₀₈, BKU⁺₉₄, De¹₂, Di₀₀, GB₀₀, Gor₀₆, ID₀₀,
Key₀₅, MHBL₁₂, Ric₀₃, RS₀₆, Siq₉₈, SF₀₃]. Division [Pin0₁]. Djingis
[NWV₉₄]. DNA [Bar₀₁, Zha₀₉]. Do [KNS₁₇, dR₅₅]. Doppler [HTR⁺₀₈].
Down [Sha₄₄b]. Dr. [Bre₆₃]. Dream [Wa₀₁a]. Dretske [Lom₀₅]. Driver
[Sha₇₈]. Drop [Sha₈₂₉, SW₉₃b]. drug [FCW⁺₀₀]. during [Kah₈₄, RAL⁺₀₈].
dynamical [RAL⁺₀₇]. dynamics [Let₀₆, LM₀₃].

[RHQ$^{+16}$]. Eco-evolutionary [RHQ$^{+16}$]. Economic [BQhH08]. edited [Mur57]. Editorial [Sha56a, Sha84b]. Edmund [Sug13]. Education [Hig63]. educator [Sug13]. EEG [BLR$^{+16}$]. effect [HGR$^{+12}$]. effectiveness [Jan14]. Effects [BLR$^{+02}$, BLR$^{+01}$]. Efficient [Sha48a, Sha54b, Sha93q], einem [Szi29]. Eingriffen [Szi29]. einiger [Sha57b]. Einstein [Ano00, New56, Sen21]. Elect [Pin01]. electric [GFD03]. Electrical [Ano40b, MS53a, WL85]. Electroencephalographic [BLR$^{+01}$]. electrogram [GKL$^{+13}$]. electron [GWZC12, RD04]. Electronic [Sha46]. element [BKU$^{+94}$]. Elementary [LS35, SSS34]. eleven [Sha07]. Elwood [Bau01, Bro11, Gal03, GBC$^{+02}$, Jam09, SW93k, SW93l]. EMC [Pin01]. Employing [OS46]. enabled [WMS$^{+12}$]. encryption [Gag98]. engineer [Nah13]. Engineering [Cer88, Hag79, FFF09, Smi05, WL85]. Engineers [Ano40b, Kah84, Tra10, Jam10]. England [Sha78]. English [Sha51a, Sha93-34]. Enigma [Ano16, LHA$^{+16}$]. Ensembles [Sha48e]. entanglement [POA$^{+08}$, ZBM11]. entropic [NS12]. entropies [APMS$^{+12}$, GWZC12, LR05, WMS$^{+12}$, ZBM11]. Entropieverminderung [Szi29]. Entropy [BLR$^{+02}$, GB01, GV15, HGR$^{+12}$, JSMS12, LMC11, PGM$^{+12}$, RFME$^{+12}$, Sav64, Sha51a, Sha93-34, Szi64, WVB10, ABS11, BLR$^{+01}$, CFRC04, FMSS03, FCW$^{+00}$, GKL$^{+13}$, GB00, GFD03, GPM06, HTR$^{+08}$, Key05, Koc05, Let06, Lin07, LM03, MHBL12, Mat94, NS12, NS10, PP06, RAL$^{+07}$, RM06, Ric03, RS06, RAL$^{+08}$, SSK$^{+05}$, Sen05, SK04, SS07, SBS$^{+13}$, SGB02, SD96, Szi29, Szi76, TKL$^{+12}$, WGB09, YN11, Zha09, dPV00, dTS$^{+03}$]. entropy-based [CFRC04, WGB09]. Entropy-TOPSIS [JSMS12]. Entstehung [Hag79]. Environmental [YLR$^{+10}$, JSMS12]. Equation [Sha42, Sha93-55]. Equations [Far03, FS43, Ale03, Far02]. erasure [Kra21]. Ergebnisse [Sha57b]. Ergodic [Sha48e]. Error [Sha56c, Sha56i, Sha93w, Sha93x, Sha93-36, Sha93-61, Sha59c, SGB67a, SGB67b, Wri67]. error-correcting [Wri67]. Errors [Mar08]. essential [Gui03]. Estimates [Sav64]. Estimating [Let06]. Estimation [BSWCM14]. Europe [FB69]. evenness [YL$^{+10}$]. even [dT$^{+03}$]. event-related [dT$^{+03}$]. evidence [Tho09]. evolution [HGR$^{+12}$]. evolutionary [RHQ$^{+16}$]. Exact [Cro63]. Exam [NWV94]. Exchange [Sha50d, Sha93-28]. expected [ABS11]. experiment [YN11]. Experimental [LCW$^{+16}$, Sha41e, Sha93-46]. Experimentally [LHA$^{+16}$]. Expert [Bar01, NWV94]. explains [Sen21]. Explicit [Sha53f]. Exploring [RHQ$^{+16}$]. Exposition [Sha53a, Sha53b, Sha93k]. expression [SGG04]. extension [BB88].

Factors [Nyq24]. factory [Ger12]. Fair [Pin01]. Fallstudie [Hag79]. Fast [GV15]. Father [Ano98, Ano01a, Hor90, Sha02, Wal01b, Hor11]. fear [NWV94]. feature [GPM06]. features [SSK$^{+05}$, Sen05]. February [Gal03, Jam09, Sha93v]. Feedback [Sha44c, Min02]. female [Di 00]. Fibrillation [LMC11, GKL$^{+13}$]. Fidelity [Sha59b, Sha93i, Sha60]. fields [GFD03, dR55]. Fifty [Ver98]. filter [CFRC04]. Finders [Sha41f, Sha93-50].
Fire-Control [BBS46]. First [Bre63, Hor11, Ric03]. Fisher
[AAALR09, AES17, HTR^+08, Lin07, RD04, YCS12]. Flaw [Bar01]. Flow
[EFS56, EFS93, CSJJ10]. flowmetry [HTR^+08]. fluctuations [RM06].
fMRI [dTS^+03]. foray [Cro01]. Forecaster [Sha56e]. forest [BQhH08].
Formal [Som09]. Formula [BSWCM14, Sha50h]. formulates [Sch06].
Fundamental [Tim02]. foundations [Ano01b, Ell09]. Founder
[Ano01c, Sch06]. Four [DS46, DS93]. Four-Terminal [DS46, DS93].
Fourier [JGH00]. Fourth [Sha78]. Fourth-Dimensional [Sha78]. Fractal
[SBS^+13, RAL^+08]. Fractals [Sch91]. fractional [CS09]. Framework
[All04]. French [Loe59, SW75a]. Frequencies [PGM^+12]. Fresnel
[LP12]. fridge [Sen21]. Frontiers [SG18]. Frontmatter [SW93e].
Function [Sha55b, Sha93a]. Functions [Sha48e, Sha53i, SHA56, Sha93o, Sha93-39, Sha93-45]. Fundamentals
[Sha53a, Sha55b, Sha93k]. Funding [Pin01]. Future [Lew21].

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Gaylord [Ano34, Ano98, Ano00]. geheime [Roc10, Roc11]. Gene
[DHG^+06, MBD^+03, SGG04]. General
[Cro63, Sha53d, Sha93s, Som09, NS12]. Generalization [BB88].
Generalizations [Sha48i]. generalized [Key05]. generation [Lyn77]. genes
[JGH00]. genesis [CLM^+01, Tho09]. Genetics
[Sha40c, Sha93a, SW93f, Cro01]. Genghis [NVW94]. Genius
[Cou01, Int03, Ano01b, Cer17]. genome [Sha09]. genomes
[ABS^+13, CHC^+04, CHC^+05, CCHL05, JGH00, Zee02]. Geometrical
[Sha56g, Sha57c, Sha93-47, Sha57b]. Geometrische [Sha57b]. George
[Nah13]. German
[Bau01, Hag79, Roc10, Roc11, Sha50f, Sha57b, SM74, SW76, SZi29].
[SB21]. goal-oriented [SB21]. Goals [Pin01]. Goodman
[Cer17, Sil18, Doo18]. grained [LB08]. Graph [AL07, APMS^+12, Cha72].
graze [dR55]. Great [Bel53, DM15, Far03, Lap96, Far02, Ger12, Pic08].
grooming [Di 00]. ground [Eme01]. ground-breaking [Eme01].
Grundlagen [SW76]. guarantee [Kah84]. Gun [Zor89]. Gunfire [BBS46].

Hanoi [Sha53l]. Haplotype [PGM^+12]. Harvard [Sha50j, Sha93-42].
Hawking [Pic08]. hazards [AES17]. healthy [HTR^+08]. heat [Kra21].
Hedy [Kah84]. Height [Sha41c]. Helleh [JSMS12]. Hellman [BB88].
hepatitis [HGR^+12]. heterogeneous [ABS11]. Hickman
[Sha40b, Sha93-59]. High [Pin01, CFRC04, HTR^+08, Kra21, LS10, SGB02].
high-quality [CFRC04]. high-values [HTR^+08]. highly [SBS^+13].
Historical [Cor87, Jan14]. History [Roc10, Roc11, FFF09, Rog94]. Hla
idea [Ger12]. Ideal [Sha48j, Sha55c, Sha55e, Sha93-38, Sha93-48]. Ideas [Lew21]. identification [FCW*00]. identifies [SGB02]. IEEE [Pin01]. II [Kah84, MS56b, MS93b, SGB67b, Sha93x, Wri67]. illumination [YN11]. imaging [SJ04, YN11]. Impact [Gal01, Gal06]. implanted [SBS*13]. implemented [Cha72]. implications [GKL+13, Lyn77]. inadequacy [Tim03]. including [Rif85]. incontinence [TKL+12]. Increases [Pin01]. Increasing [CS09]. independent [Rif85]. Index [JAS89, BQH08, BKU+94, Di 00, Gor06, ID00, Key05, Lei07, Pla06, RS06, Siq98, SF03, WC99, Zha09]. India [JAS99]. Indicator [GFD03]. indice [Pla06]. indices [Gor06]. individual [dPV00]. induced [SBS+13]. Industrial [Hag79]. Industrie [Hag79]. Industrie- [Hag79]. Industry [Cer88, RFME+12]. Inequalities [KNS17]. Inequality [GV15]. Inference [Pla06, Wri67]. Inferencia [Pla06]. inflammatory [SBS+13]. Inform [San05]. informaci [DL63]. Information [ACK*01, All04, Ano53, Ano98, Ano01a, Asp85, Bro00b, Cro63, DGH+06, DL63, Gal06, HWG90, Hor90, Lom05, Roc10, Roc11, Sav11, Sha49c, Sha50c, Sha52b, Sha53e, Sha56b, Sha58a, Sha59a, Sha63b, Sha68b, Sha93g, Sha93t, Sha93u, Sha93-49, Si18, SW93c, Som09, Str14, SG18, Tim02, WVB10, Zee02, ABS+13, Ale03, Cer17, CHC+04, CHC+05, CCHL05, CLM+01, EL09, Eme01, GWZC12, Gui03, Hor11, HSBJ02, HTR+08, JGH00, Lei07, Liu07, LHV16, LR05, LS10, Lyn77, MBD+03, Nah13, Rif85, RD04, SAK06, Sch06, Sen05, SK04, Sle74, SG17, SJ04, SD96, Tho09, Tim03, YCS12, Co93, Roc10, Sha56d, Sha02, Som09, Roc11]. Informationskonzepten [Hag79]. Informationstheorie [SW76]. Infrequent [Sha54b, Sha93q]. innovation [Ger12]. Input [Sha55b, Sha93p]. Institute [Ano40a]. Instructor [Ano40b]. integral [SJ04]. integrated [SMS12]. Integration [FS43, Sha50h]. intellectual [FB69]. intelligence [MMS06]. Intelligent [Szi64, Szi29, Szi76]. intelligenter [Szi29]. interference [Szi29, Szi76]. Internal [Sha54c, Sha93-58, Sha56h]. International [Pin01]. interpolation [Mar91, Mar93]. Interpretation [Lom05]. interval [MHL12]. Intervention [Szi64]. Interview [Pri82, TWA+87, Van89]. Introduction [Fel66, Mar91, TWA+87, Fel71, Fel09]. Intuitive [Roc99]. invasive [TKL+12]. Invented [Si18, Ano01b, Cer17, SG17]. Invest [Pin01]. Involvement [Pin01]. Iran [JSMS12]. Irving [TWA+87]. ISBN [Cer17]. Italian [SW71, SW83]. Iterative [WVB10].


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[VWB10]. Programmers [Bar01]. Programming
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Promise [Sha63a, Sha93a]. Promoter [SSK+05]. Proof [Sha50h]. property
[SGB02]. proportion [YLR+10]. proportional [AES17]. Proposal
[Sha78, MMS06, Ric03]. protected [JSMS12]. protein [APMS+12, SD96].
provide [RAL+08]. published [Hor11]. Pulse
[OS46, Sha43b, Sha44b, Sha93e]. Pulses [Sha44a, Sha44d, Sha93e]. putative [FCW+00]. Puzzle [Efr08]. pyrosequencing [HGR+12].
Q&A [Ano17a]. QSAR [SGB02]. QSDR [APMS+12]. Quadratic
[BERS86, RS06]. Qualitative [All04]. quality
[CFRC04, RFME+12, YLR+10]. Quantify [VWB10]. Quantitative
[AALR09]. Quantum
[Ano16, LHA+16, Tim02, Bro00a, LCW+16, POA+08, Tim03, ZBM11]. quasispecies [HGR+12]. quest [Bro00a].

R [Wal01a]. Raboty [DL63]. Ramsey [AL07]. random [ABS11, WMS+12].
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[BSWC14, Sha41f, Sha55b, Sha55c, Sha93-38, Sha93-50]. rats [SB5+13]. Ray [PST48]. reactions [SB5+13]. Reading [Sha53g, Sha93-30].
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[Pin01]. Reconstructing [HDC96]. Reconstruction [BERS86]. Rectifier
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[LB08, PGM+12, Szi29, Szi76]. Reed [TWA+87]. Reflections [Luc12].
regeneration [RAL+08]. regions [Zee02]. Reimagined [Sil18].
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[Sha56c]. Relations [Zha09]. relationship [Liu07, YN11]. relative
[Ric03, Wri67]. Relay [HS54, HS93, MS53b, MS53c, MS93c, MS93d, Sha37,
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Relays [MS54, MS93a, MS93b, MS56a, MS56b]. relevant [Luc12]. Reliable
[MS54, MS60a, MS56b, MS93a, MS93b, Sha56f]. Reluctant [Wal01b].
Remarkable [Jam10, Tra10]. Remembering [Ano02]. Reminder [Pin01].
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Requirements [Sha50d, Sha93-28]. Requires [Sha53i, Sha93-39]. Research
[Bar01, Col93, Hag79, Sha48h, MMS06]. Resistance
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[Sha41f, Sha41e, Sha55e, Sha56g, Sha57c, Sha93f, Sha93-50, Sha93-46,
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[AES17, JSMS12]. River [JAS89]. RNAs [WMS+12]. Rob
[Cer17, Doo18, Sil18]. Robot [Bar01]. role [ID00, Kah84]. Rosen [Per05].
rotational [GKL+13]. Rubik [Sha82b]. Rubric [Sha82b], rufiventris
[dPV00]. Rufous [dPV00]. Rufous-bellied [dPV00]. Russian [DL63].

S [TWA+87]. sample [Siq98]. Sampling
[BERS86, Cro63, HDC96, Sha48i, Ano17b, JZL98, Mar91, Mar93]. scale
[Mar08]. scaling [ID00, Ric03, SK04]. School [Pin01]. Schuster
[Cer17, Sil18]. Science [Bar01, Far03, Hig63, Lew21, Pin01, SG18,
Far02, FFF09, Lyn77, Pic08, Smi05, WL85]. Scientific
[Asp85, Sha80, Sha93-44, Bel53]. scientists [Bel54]. scrambler [Kah84].
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sensitive [GB01]. separated [Ano01b]. September [Ano53, Van89].

Sequences [HWO90, Sha48k, SD96, Zha09]. Series
[BERS86, RS93, Sha43a, Sha93b, RS42, dTS+03]. Shannon
[Bau01, Bot88, Cer17, Gal03, Jam09, Kha16, Mur57, NS12, Pin01, RFME+12,
Roc10, Sil18, Som09, SK01, TWA+87, APMS+12, AMS+10, ABS+13, Ale03,
All04, AL07, ABS+11, Ano40a, Ano40b, Ano00, Ano01a, Ano01b, Ano01c,
Ano02, Ano17b, AALR09, AES17, Bar01, Bau01, BB88, BSWCM14,
BQRH08, BKU+94, Bre63, Bro11, Bro00b, BLR+01, BLR+02, BERS86, CS01,
CFRC04, Cer88, CHC+04, CHC+05, Cha72, CCHL05, CS09, CLM+01, Co193,
Cou01, Cro63, Cro01, DGH+06, De’12, Di 00, Efr08, Ell09, Ell84, Eme01,
Eph01, FM99, FMS03, FCW+00, Gab98, Gal01, GKL+13, GB07, GB00,
GB01, GOL1, GGC+02, GZW12, GFD03, Gor06, GPM06, Gui03, GV15,
HN09, HDC96, Han10, HWO90, HGR+12, Hor90, Hor92, Hor11, HSBJ02,
HTR+08, ID00, JGH00, Jam10, Jan14, JAS89]. Shannon
[JZL98, Joh01, JSMS12, Key05, KNS17, Koc05, LP12, LMC11, Lei07, LB08,
Let06, Lew01, Liu07, Loe59, Lom05, LHV16, LR05, LM03, LS10, Lyn77,
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NWV94, O’12, PP06, PGM+12, Per05, Pla06, POA+08, Pri82, Pri84, Pri85,
RAL+07, RM06, Ric03, RS06, Rif85, Roc99, Roc10, Roc11, RAL+08, RHH+16,
RD04, SASK06, SB05, Sav11, Sav64, Sch06, SSK+05, Sen05, Sha2a, Sha02,
Sha07, Sha14, SK04, SS07, SBS+13, Siq98, Slv97, SW93K, SW93L, SW93b,
Smi05, SG17, SF03, SB02, SJ04, SD96, Str14, SB21, SGG04, SG18, Tho09,
Tim02, Tim03, TKL+12, TT12, Van89, Ver98, Wal01b, WGB09, WBB+12,
WMS+12, WVB10, WC99, Wri67, YN11, YCS12, Yoc00, YLR+10, Zac16].
Shannon [ZBM11, Zee02, Zha09, dPV00, dTS+03, Tra10].
Shannon-entropy-based [NS12]. Shannon-information [SK04].
Shannon-type [KNS17]. Shape [Sha44d]. Shapes [Bar01]. Sharing [ID00].
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