A Complete Bibliography of Publications of Claude Elwood Shannon

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09 July 2021
Version 1.81

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 \rightarrow \infty [Sha48]. s [Sha55d, Sha93-45].


2001 [Bau01, Gal03, Jam09, Pin01]. 2D [ZBM11].

3 [Cer17].

978 [Cer17]. 978-1-4767-6668-3 [Cer17].

C [Mur57, Sug13, Wal01a, SW93i]. Calcul [Loe59]. calculation [Sha57b, Loe59]. Calculations [HWO90, SGB02]. Calculator [Sha93-42]. calvarial [RAL+08]. cancer [APMS+12]. Candidates [Pin01]. Capacity [BSWC14, Bot88, GV15, Mar08, Sha56g, Sha56i, Sha57c, Sha93-47, Sha93-61, Sch06, Sha57b, SJ04, TT12]. Capazit¨at [Sha57b]. Case [Hag79, Sha48a]. cases [Key05]. Cathode [PST48]. Cathode-Ray [PST48]. caused [SBS+13]. Celebrating [Zac16]. cellular [RFME+12]. Century [Sha93n, WL85, Sha63a]. Certain [Nyq24, Nyq28, Sha48f, Sha57a, Sha93f]. chain [Koc05]. chain-based [Koc05]. chains [ZBM11]. Channel [Sha48a, Sha56c, Sha56g, Sha56i, Sha57c, Sha93-36, Sha93-47, Sha93-61, Sch06, Sha57b, Sha59c]. Channels [Sha58a, Sha93f, Sha93g, Sha93v, Sha93x, Sha93-32, Sha93-37, POA+08, Sha57a, Sha58b, Sha61, SGB67a, SGB67b, TT12]. Chaos [Sch91]. Characteristic [Sen05]. characterizing [JGH00]. checking [FM99]. chemical [SSAK06]. Chess [Sha50b, Sha93h, Wha78, Lev88, Sha50g, Sha93-37]. Chess-Playing [Sha50b, Sha93h]. China [BQhH08]. cipher [AMS+10, HN09]. Circuit [GBR07, HS46, MS53a, MS53b, MS53c, MS93d, Sha53j, Sha93y, SM53]. Circuits [FM99, MS54, MS93a, MS93b, OS44, OS93, Sha37, Sha38, Sha41b, Sha44e, Sha49f, Sha55e, Sha93-51, Sha93-48, Sha93-53, SW93d, Jan14, MS56a, MS56b]. classical [SS07]. classification [APMS+12]. Claude [Ano01c, Cer17, Sil18, TWAl+87, Ano40a, Ano40b, Ano00, Ano01a, Ano01b, Ano02, Bar01, Bau01, Bro11, CS01, CLM+01, Cou01, ELH4, Eme01, Eplh01, Gag98, Gal01, Gal03, Gol01, GBC+02, Gu03, Han10, Hor90, Hor92, Hor11, Jam09, Joh01, Kha16, Lew01, Nah13, NV94, O’R12, Pin01, Pri82, Pri84, Pri85, Roc10, Roc11, Sch06, Sha82a, Sha02, Sha14, Sha97, SW93k, SW93l].
SW93b, SG17, SF03, SK01, Str14, Van89, Wa01b, Zac16]. Closing [Gui04]. Closure [Sha44c]. Clustering [DGH+06], coasts [YL+12]. Cobol [Bar01]. Code [Loe59, OS46, Sha43b, Gui04, Wri67]. Codes [Sha93-36, Gui04, Sha59c]. Coding [Bot88, Gol49, Sha40a, Sha48a, Sha53d, Sha54b, Sha59a, Sha59b, Sha60, Sha93f, Sha93i, Sha93q, Sha93s, Sha93w, Sha93x, Sha93-38, TWA+87, Sha57a, SGB67a, SGB67b, WMS+12, Zee02]. codon [FMSS03, Zee02]. coherence [LMC11, YN11]. coherent [RM06, YN11]. cold [Sen21]. collected [SW93k]. Collection [Bro11]. Colleges [HS54, HS93]. Color [Sha40a]. Coloring [Sha93-54, Sha49g]. Combining [Gor06]. Communication [Hag79, OS46, Sha48b, Sha48c, Sha48h, Sha49a, Sha49b, SW49, Sha49d, Sha50f, Sha50i, Sha53a, Sha53b, SW63, SW71, SW76, SW83, Sha84a, Sha84b, Sha85, Sha93j, Sha93k, Sha93l, Sha93z, Sha93-32, Sha93-41, Sha93-40, Sha93-57, Sha97, Sha98b, Sha98a, SW98, Sha01, SW93c, Wea49, Wea53, Lyn77, Rog94, Sha58b, Sha61, SW64, SW69, SW72, SW75b, SW75a, SW78, SW81, Sha97, TT12, Yoc00, dPV00, Doo49]. Communications [Ano01c, Ano01b, Kah84]. Comparison [GWZC12]. comparisons [AALR09]. compendium [Lev88]. complete [CHC+04, CHC+05]. complex [RFME+12, SSAK06]. complexity [LR05, SBS+13]. component [TKL+12]. Components [Sha56f]. Compound [WVB10]. compounds [SGB02]. Computability [dLMSS94, dLMSS96, dLMSS93]. Computation [Bar01, Sha50j, Sha93-42, Ric03, Zee02]. Computer [Lap96, Lev88, Wha78, Bro00a, Sha50g, Sha93-37, Smi05, WL85, Pin01, Sha50j]. Computers [Sha53c, Sha53h, Sha63a, Sha93m, Sha93n, Sha93-33, SW93d, Sug13]. Computing [Bul15, DM15, Sha85, Wa01a, LM03, Min02]. comunicación [SW81]. comunicazioni [SW71, SW83]. Concavity [Sha55b, SH56, Sha93o, Sha93p]. concept [GB00]. Concepts [Som09]. conceptual [Ell09, Tim03]. Conceptualization [Asp85]. concerning [Tho09]. confidence [MHBL12]. confidentiality [Gag98]. configuration [WBB+12]. confined [Sen05]. Congress [Bro11]. Connected [DS46, DS93, Sha07]. Connection [Pin01]. Connections [AES17]. connectivity [RFME+12]. conservation [BQhH08]. Consistency [Sha41b]. Contacts [Sha53i, Sha93-39]. Content [WVB10, Rif85]. context [CLM+01]. continued [Sha48c]. Continuous [Sha43a, Sha93b]. Contributions [Sha93-60, Wea53, Sha58c]. Control [BBS46, Min95, Sha49d, Sha51b, Sha93-41, Min02]. Controversies [Bar01]. Convergence [GV15]. conversation [Ell84, Pri84, Pri85]. Corporation [Pin01]. correcting [Wri67]. correlation [RD04]. cost [Kra21]. Counters [Sha44b]. Counting [Ell09, Kör96, Sha44b, Sha44e, Koc05, LM03]. created [Nah13]. Creative [Sha52a]. Criteria [Sha41b]. Criterion [Sha59b, Sha93i, Sha60]. critical [ZBM11]. Crossbar [HS46]. crossings [GFD03]. Crossword [Efr08]. Crummy [MS54]. Cryptography [Roc99, Sha45a, SW93c, BB88]. Cryptology [Kah84, Roc99]. crystalline
Cybernetics [DL63, Sha49d, Sha68a, Min02, Sha93-41].

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]. Deflection
[Sha41f, Sha41e, Sha93-50, Sha93-46]. degree [ABS11, YN11]. Delay
[Sha56c]. Delsarte [AL07]. demonstration [LHA+16]. Demonstration [Sha14].

demonstrating [YLR+10]. Dependent [WVB10]. Derivation
[BS50, BS93]. Derivatives [Sha54a]. Derivation [BS50, GB00].

descriptors [GB01, GPM06, SGB02]. Desflurane
[BLR+02, BLR+01]. Design [FM99, Sha42, Sha93y, Sha93-55, SM53].

Detection [Sha44a, Sha93e, HSBJ02, HTR+08, LMC11]. detectors
[WBB+12]. detects [CFRC04]. Determine [Sha45b]. determined
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[Sha85, Sle74]. Developments [Sha50f, Sha50i, Sha93-40]. Device [PST48].

diagnosis [TKL+12]. diagnostic [Rif85]. diatom [Siq98]. Dictionary
[Cor87]. Dies [Ano01a, Bar01, Joh01, Ano01c]. difference [Sen21].
differences [GB01]. Differential
[GB01, Sha41g, Sha42, Sha93-27, Sha93-55, SGB02, Sha41d]. Difficulty
[Efr08]. diffusion [LS10]. Digital
[ACK+01, Ano01c, Bul15, Cou01, Gol49, LP12, Sha50c, Ano01b, Cer17, Eme01, HDC96, Cas16, Wal01b]. dimension
[RAL+08, SBS+13]. Dimensional [Sha78, GWZC12, SJ04]. dimensionality
[CS09, POA+08]. Diorama [Sha82a, SW93b]. Director [Zor89, Pin01].

Director-Elect [Pin01]. discipline [Mat94]. Discrete
[Sha48g, Sha50a, Sha59b, Sha93i, Sha93w, Sha60, SGB67a, SGB67b].

Discussion [CMU+53, CMU+93]. Disjunctive [KNS17]. distinctions
[Ell09]. distinguish [WMS+12]. distinguisher [AMS+10]. distinguishing
[HN09]. Distortion [Sha59a]. distribution [Di 00, NS12]. Distributions
[WVB10, AALR09, GPM06]. Divergence [CCHL05, MPPP97]. divergences
[AALR09]. diversity [BQhH08, BUK+94, De’12, Di 00, GB00, Gor06, ID00, Key05, MHBL12, Ric03, RS06, Siq98, SF03]. Division
[Pin01]. Djingis
[NWV94]. DNA [Bar01, Sha09]. Do [KNS17, dR55]. Doppler
[HTR+08]. Down [Sha44b]. Dr. [Bre63]. Dream [Wal01a]. Dretske
[Lom05]. Driver
[Sha78]. Drop [Sha82a, SW93b]. drug [FCW+00]. during
[Kah84, RAL+08]. dynamical
[RAL+07]. dynamics [Let06, LM03].

E100 [LS35]. E58 [SSS34]. Early
[Bul15, Sha14]. earth [Yoc00]. Economic
[BQhH08]. edited [Mur57]. Editorial
[Sha56a, Sha84b]. Edmund
[Sug13]. Education
[Hig63]. educator [Sug13]. EEG
[BLR+02]. effect [HGR+12].
effectiveness [Jan14]. Effects
[BLR+02, BLR+01]. Efficient
[Sha48a, Sha54b, Sha93q]. **Eingriff**en [Szi29]. **Eingriffen** [Szi29]. **einer**
[Sha57b]. **Einstein** [Ano00, New56, Per05, Sen21]. **Elect** [Pin01]. electric
[GF0D3]. **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, SW93]. **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, Liu07, 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** [BSWC14]. **Europe** [FB69].
**evenness** [YLR+10]. **event** [dTS+03]. **event-related** [dTS+03]. **evidence**
[Tho09]. **evolution** [HGR+12]. **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]. **Exposition**
[Sha53a, Sha53b, Sha93k]. **expression** [SGG04]. **extension** [BB88].

**Factors** [Nya24]. **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].
**Finding** [Bro11]. **Finds** [Bar01]. **Fine** [LB08]. **Fine-grained** [LB08]. **Finest**
[Min95]. **fingerprint** [WGB09]. **Finite** [SK04, YCS12]. **Fire** [BBS46].
**Fire-Control** [BBS46]. **First** [Bre63, Hor11, Ric03]. **Fisher**
[AALR09, AES17, HTR+08, Liu07, RD04, YCS12]. **Flaw** [Bar01]. **Flow**
[EFS56, EFS93, CSJJ10]. **flowmetry** [HTR+08]. **fluctuations** [RM06].
fMRI [dTS\textsuperscript{+}03], foray [Cro01], Forecaster [Sha56e], forest [BQhH08]. Formal [Som09]. Formula [BSWCM14, Sha50h]. formulate [Sch06]. Foundational [Tim02], foundations [Ano01b, Ell09]. Founder [Ano01c, Sch06]. Four [DS46, DS93]. Four-Terminal [DS46, DS93]. Fourier [JGH00]. Fourth [Sha78]. Fourth-Dimensional [Sha78]. Fractal [SBS\textsuperscript{+}13, RAL\textsuperscript{+}08]. Fractals [Sch91]. fractional [CS09]. Framework [All04], free [SS07]. French [Loe59, SW75a]. Frequencies [PGM\textsuperscript{+}12]. Fresnel [LP12]. fridge [Sen21]. Frontiers [SG18]. Frontmatter [SW93e]. Function [Sha55b, Sha93p, LMC11]. Functional [FM99]. Functions [Sha48e, Sha53i, Sha55d, SH56, Sha93o, Sha93-39, Sha93-45]. Fundamentals [Sha53a, Sha53b, Sha93k]. Funding [Pin01].

Game [Sha55a, Sha93r]. Games [SW93d, Cha72]. Ganga [JAS89]. gap [RS06]. Gating [LB08]. Gaussian [Koc05, RM06, Sha59c, Sha93-36]. General [Cro63, Sha53d, Sha93s, Som09, NS12]. Generalization [BB88]. Generalizations [Sha48i], generalized [Key05], generation [Lyn77]. genes [JGH00]. genesis [CLM\textsuperscript{+}01, Tho09]. Genetics [Sha40c, Sha93a, SW93f, Cro01]. Genghis [NWV94]. Genius [Con01, Int03, Ano01b, Cer17], genome [Zha09], genomes [ABS\textsuperscript{+}13, CHC\textsuperscript{+}04, CHC\textsuperscript{+}05, CCHL05, JGH00, Zee02]. Geometrical [Sha56g, Sha57c, Sha93-47, Sha57b]. Geometrische [Sha57b], George [Nah13], German [Bau01, Hah79, Roc10, Roc11, Sha50f, Sha57b, SM74, SW76, Szi29]. Geschichte [Roc10, Roc11]. Gini [AES17]. Give [Sha53f]. Go [Bar01]. Goals [Pin01]. Goodman [Cer88, Sil18, Doo18]. grained [LB08]. Graph [AL07, APMS\textsuperscript{+}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\textsuperscript{+}12]. Harvard [Sha50], Sha93-42. Hawking [Pic08]. hazards [AES17], healthy [HTR\textsuperscript{+}08], heat [Kra21]. Hedy [Kah84]. Height [Sha41c]. Helleh [JMS12]. Hellman [BB88]. hepatitis [HGR\textsuperscript{+}12]. heterogeneous [ABS11]. Hickman [Sha40b, Sha93-59]. High [Pin01, CFRC04, HTR\textsuperscript{+}08, Kra21, LS10, SGB02]. high-quality [CFRC04]. high-values [HTR\textsuperscript{+}08], highly [SBS\textsuperscript{+}13]. Historical [Cor87, Jan14], History [Roc10, Roc11, FFF09, Rog94], Hla [PGM\textsuperscript{+}12]. Hoffman [AL07], holography [LP12]. Hometown [Cer88]. homologues [CFRC04]. Honored [Ano40b]. Honors [Ano98, Cer88]. Host [RFME\textsuperscript{+}12]. hot [Sen21]. Hour [Min95], human [APMS\textsuperscript{+}12, Min02, Zee02]. hyperentanglement [CS09], Hypergraph [LB08]. hypotheses [Di 00].
idea [Ger12]. Ideal [Sha48j, Sha55c, Sha55e, Sha93-38, Sha93-48].
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II [Kah84, MS56b, MS93b, SGB67b, Sha93x, Wri67]. illumination [YN11].
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[ACK+01, All04, Ano53, Ano98, Ano01a, Asp85, Bro00b, Cro63, DGH+06,  
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[Ger12]. Input [Sha55b, Sha93p]. Institute [Ano40a]. Instructor [Ano40b].  
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[Mar91, Mar93]. Interpretation [Lom05]. interval [MHBL12].
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[Fel66, Mar91, TWA+87, Fel71, Fel09]. Intuitive [Roc99]. invasive  
[TKL+12]. Invented [Si18, Ano01b, Cer17, SG17]. Invests [Pin01].  
Involvement [Pin01]. Ioan [Tra10]. Iran [JSMS12]. Irving [TWA+87].
ISBN [Cer17]. Italian [SW71, SW83]. Iterative [WVB10].

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Kommunikation [Sha50f]. Korean [YLR+10]. Kriegsforschung [Hag79].  
kth [Koc05]. kth-order [Koc05].

MAC [Mar08]. Machine [Ano16, Sha50b, Sha51c, SM53, Sha53g, Sha93h, Sha93y, Sha93-30, Sha93-35, Sha93-38, Sha14, Wal01a, LHA+16, Min02, Sha56h, Sha49d, Sha54c, Sha93-41]. Machines [Bre63, Sha42, Sha56f, Sha93r, Sha93-55, dLMS54, dLMS93, Bro00a, Sha55a, dLMS56]. MADDIDA [TWa+87]. Made [Wal01a, Eme01]. magnetic [GFD03]. making [Gui03]. Man [Bre63, Pri84, Pri85]. Man-Machines [Bre63]. Mapping [DGH+06, MBD+03]. Maps [Pin01]. Marker [DGH+06]. Markhoff [Sha48g]. Markov [RFME+12, Koc05, PP06]. Markov-Shannon [RFME+12]. Mars [Smi05]. Martin [ID00]. master [Eme01]. Mastermind [Str14]. Masterpiece [Hor11]. matematica [SW71, SW83, SW81]. math [Luc12]. Mathematical [Ano00, CLM+01, Doo49, Roc99, Sha41d, Sha45a, Sha48b, Sha48c, SW49, SW63, SW71, SW75a, SW76, SW83, Sha93z, Sha93-27, Sha97, SW98, Sha01, Wea53, Lyn77, SW64, SW69, SW72, SW75b, SW78, SW81]. Mathematician [Joh01]. Mathematics [Wea49, Jan14, New56]. mathématique [SW75a]. Mathematische [SW76]. Mathematization [Roc99]. Mathmanship [Sha53f]. matrix [Gor06]. Maximum [EFS56, EFS93, Rif85]. Maxwell [Kra21]. May [Bre63]. Maze [Sha51c, Sha93-35]. Maze-Solving [Sha93-35]. McCarthy [Mur57]. meaning [Sha57b]. Measure [Bot88, Cro63, JAS89, PGM+12, Sha59a, GB01, ID00, Mat94, NS10, SSAK06]. measured [SSK+05]. Measurement [BLR+02, BLR+01]. measures [RS06]. measuring [dPV00]. mechanical [RAL+07]. Mechanics [Tim02, Tim03]. Mechanism [Sha41c, Sha41f, Sha41e, Sha93-50, Sha93-46]. medical [Rif85].
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Membership [Pin01], Memory [Bot88, Sha50d, Sha93-28]. Memoryless [Sha93w, Sha93x, SGB67a, SGB67b]. message [Ano01b, Gui03].
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miscellaneous [SW93l]. Mixed [Sha45b]. Model [Efr08, De'12].
mind [Ano17a, Doo18, Sha53g, Sha93-30, Cer17, SG17, Sil18]. Mind-Reading [Sha53g, Sha93-30]. Minds [Bro00a, Pic08].
minimize [Sha44d]. miscellaneous [SW93l]. Mixed [Sha45b]. Model [Efr08, De'12].
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minimize [Sha44d]. miscellaneous [SW93l]. Mixed [Sha45b]. Model [Efr08, De'12].
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