

The TORUS Ontology Table

Auto-generated by P4 Lexicon Logic from 62 Corpus Documents

Generated by `corpus_ontology_mapper.py`

Method: Frequency-ranked prime assignment (P4) + co-occurrence synonym detection (P18
GCD logic)

Contents

Core Ontology Mapping

TORUS Term	Assigned Prime	Frequency	Patent	Module	Conventional Equivalents (by co-occurrence)
product	281	209	P0	prime_cal	for (27), the (26), if (26), return (26), const (26)
intent	571	115	P19	attention.c	from (10), for (10), the (9), if (9), return (9)
torus	661	101	P0	torus.c	for (12), return (12), to (12), the (11), void (11)
lexicon	673	101	P4	lexicon.c	the (14), void (14), for (14), prime (14), if (13)
query	1091	73	—	—	is (4), in (4), new (4), one (4), if (4)
phi	1117	71	P12	—	return (15), const (15), if (14), for (14), the (13)
soul	1153	71	P20	soul.c	the (7), void (7), if (7), os (7), for (7)
graph	1217	69	P18	memory_graph	if (10), return (10), to (10), the (9), from (9)
topology	1301	64	P18	—	is (5), void (5), if (5), no (5), this (5)
heartbeat	1361	60	P12	heartbeat.c	the (13), void (13), return (13), if (12), os (12)
zeta	1373	59	P19	—	for (12), if (12), the (12), return (12), const (12)
integrity	1697	47	P20	soul.c	the (7), if (7), for (7), return (7), to (7)
manifest	1693	47	P22	manifest.c	the (7), if (7), for (7), return (7), to (7)
command	1783	45	—	—	of (9), the (9), void (9), if (9), for (9)
ledger	2341	37	P18	memory_graph	if (5), for (5), return (5), to (5), prime (5)
verdict	2411	36	P20	soul.c	void (4), init (4), int (4), static (4), to (4)
confidence	3169	28	P19	attention.c	if (6), for (6), return (6), to (6), the (5)
systole	3217	28	P12	heartbeat.c	void (4), count (4), init (4), int (4), static (4)
voice	—	23	P21	voice.c	as (3), the (3), void (3), uart (3), if (3)
diastole	—	22	P12	heartbeat.c	void (4), count (4), init (4), int (4), static (4)
silence	—	20	P20	—	the (4), void (4), if (4), no (4), from (4)

TORUS Term	Assigned Prime	Frequency	Patent	Module	Conventional Equivalents (by co-occurrence)
anchor	—	20	—	—	use (2), middle (2), time (2), opacity (2), skill (2)
protocol	—	19	—	—	of (8), the (8), void (8), for (8), map (8)
decay	—	19	P18	—	to (4), for (4), if (4), every (4), prime (4)
attention	—	19	P19	attention.c	the (6), void (6), if (6), os (6), for (6)
factorize	—	19	—	—	to (9), primes (9), for (9), if (9), prime (9)
mod	—	17	P0	—	for (8), prime (8), return (8), const (8), at (7)
lock	—	15	P11	—	you (3), align (3), pointer (3), viewport (3), is (3)
snr	—	15	—	—	—
speak	—	14	P20	—	the (9), void (9), if (9), for (9), return (9)
recognition	—	13	—	—	all (2), full (2), process (2), reset (2), is (2)
threshold	—	13	P23	—	weight (3), full (3), to (3), for (3), total (3)
exponent	—	13	P0	—	export (4), all (4), map (4), add (4), to (4)
shift	—	13	P20	—	the (5), void (5), if (5), this (5), from (5)
factorization	—	11	P0	—	is (7), of (7), the (7), for (7), primes (7)
commit	—	11	P20	—	the (3), void (3), if (3), no (3), from (3)
compression	—	10	P18	—	void (4), if (4), every (4), for (4), return (4)
gravity	—	10	P18	memory_gulp.c	salience, node_weight, memory_weight (seeded)
manifold	—	8	P0	—	all (3), is (3), as (3), of (3), the (3)
spine	—	5	—	—	void (3), count (3), int (3), static (3), full (3)
centaur	—	5	P14	—	human_ai_entity, co_entity, binding, enrolled_pair (seeded)
migration	—	5	P12	—	all (3), full (3), don (3), same (3), mapping (3)
gcd	—	5	P0	—	find (2), shared (2), count (2), not (2), pool (2)
convergence	—	4	—	—	all (2), engine (2), full (2), test (2), is (2)
consciousness	—	3	—	—	—
enrollment	—	3	P14	—	is (3), of (3), the (3), new (3), if (3)
resonance	—	3	—	—	all (2), engine (2), growth (2), log (2), who (2)
shepherd	—	2	—	—	—
refuse	—	2	P20	—	void (2), uart (2), init (2), not (2), int (2)
noise	—	2	—	—	all (2), full (2), growth (2), same (2), observations (2)
toroidal	—	2	P0	—	all (2), full (2), why (2), self (2), is (2)
declare	—	1	—	—	—
greet	—	1	—	—	—
forgetting	—	1	P18	—	phi_decay, compression, golden_ratio_decay (seeded)
guard	—	1	—	—	—

TORUS Term	Assigned Prime	Frequency	Patent	Module	Conventional Equivalents (by co-occurrence)
salience	—	1	P18	—	—

Frequency Distribution

	Rank	Term	Frequency	Assigned Prime	Category
1		div	1596	31	conventional
2		if	1139	37	conventional
3		buf	997	41	conventional
4		pos	924	43	conventional
5		const	885	47	conventional
6		int	860	53	conventional
7		out	848	59	conventional
8		style	838	61	conventional
9		cad	791	67	conventional
10		return	751	71	conventional
11		the	624	73	conventional
12		count	582	79	conventional
13		number	577	83	conventional
14		border	557	89	conventional
15		max	539	97	conventional
16		prime	509	101	conventional
17		size	497	103	conventional
18		for	491	107	conventional
19		id	480	109	conventional
20		box	477	113	conventional
21		absolute	421	127	conventional
22		text	401	131	conventional
23		font	375	137	conventional
24		out_buf	373	139	conventional
25		topo	368	149	conventional
26		out_size	363	151	conventional
27		append	357	157	conventional
28		char	355	163	conventional
29		rgba	352	167	conventional
30		to	334	173	conventional
31		nodes	327	179	conventional
32		from	309	181	conventional
33		is	302	191	conventional
34		uart	297	193	conventional
35		idx	297	197	conventional
36		of	269	199	conventional
37		string	264	211	conventional
38		void	260	223	conventional

Rank	Term	Frequency	Assigned Prime	Category
39	var	246	227	conventional
40	export	246	229	conventional
41	buf_append	246	233	conventional
42	ed	240	239	conventional
43	else	238	241	conventional
44	fp	230	251	conventional
45	state	229	257	conventional
46	puts	228	263	conventional
47	uart_puts	226	269	conventional
48	function	216	271	conventional
49	fold	214	277	conventional
50	product	209	281	TORUS

Synonym Clusters (Discovered by Co-occurrence)

anchor → use (2), middle (2), time (2), opacity (2), skill (2), colors (2), visible (2), media (2)

attention → the (6), void (6), if (6), os (6), for (6), return (6), to (6), prime (6)

command → of (9), the (9), void (9), if (9), for (9), to (9), state (8), not (8)

commit → the (3), void (3), if (3), no (3), from (3), state (3), not (3), os (3)

compression → void (4), if (4), every (4), for (4), return (4), to (4), prime (4), all (3)

confidence → if (6), for (6), return (6), to (6), the (5), void (5), no (5), this (5)

convergence → all (2), engine (2), full (2), test (2), is (2), as (2), of (2), what (2)

decay → to (4), for (4), if (4), every (4), prime (4), return (4), const (4), void (3)

diastole → void (4), count (4), init (4), int (4), static (4), to (4), hb (4), os (4)

enrollment → is (3), of (3), the (3), new (3), if (3), from (3), let (3), for (3)

exponent → export (4), all (4), map (4), add (4), to (4), primes (4), for (4), are (4)

factorization → is (7), of (7), the (7), for (7), primes (7), prime (7), full (6), in (6)

factorize → to (9), primes (9), for (9), if (9), prime (9), is (9), of (9), the (9)

gcd → find (2), shared (2), count (2), not (2), pool (2), to (2), new (2), for (2)

graph → if (10), return (10), to (10), the (9), from (9), for (9), is (8), in (8)

heartbeat → the (13), void (13), return (13), if (12), os (12), for (12), int (12), static (12)

integrity → the (7), if (7), for (7), return (7), to (7), void (6), from (6), state (6)

intent → from (10), for (10), the (9), if (9), return (9), to (9), os (8), int (8)

ledger → if (5), for (5), return (5), to (5), prime (5), the (4), memory (4), void (4)

lexicon → the (14), void (14), for (14), prime (14), if (13), os (13), return (13), to (13)

lock → you (3), align (3), pointer (3), viewport (3), is (3), content (3), false (3), fixed (3)
manifest → the (7), if (7), for (7), return (7), to (7), prime (7), as (6), of (6)
manifold → all (3), is (3), as (3), of (3), the (3), in (3), target (3), on (3)
migration → all (3), full (3), don (3), same (3), mapping (3), is (3), as (3), of (3)
mod → for (8), prime (8), return (8), const (8), at (7), is (7), the (7), count (6)
noise → all (2), full (2), growth (2), same (2), observations (2), self (2), is (2), of (2)
phi → return (15), const (15), if (14), for (14), the (13), to (13), of (12), void (12)
product → for (27), the (26), if (26), return (26), const (26), is (25), to (25), prime (25)
protocol → of (8), the (8), void (8), for (8), map (8), to (8), is (7), if (7)
query → is (4), in (4), new (4), one (4), if (4), no (4), every (4), this (4)
recognition → all (2), full (2), process (2), reset (2), is (2), head (2), expression (2), the (2)
refuse → void (2), uart (2), init (2), not (2), int (2), static (2), to (2), uart_puts (2)
resonance → all (2), engine (2), growth (2), log (2), who (2), inventory (2), is (2), of (2)
shift → the (5), void (5), if (5), this (5), from (5), state (5), not (5), for (5)
silence → the (4), void (4), if (4), no (4), from (4), state (4), not (4), os (4)
soul → the (7), void (7), if (7), os (7), for (7), to (7), return (6), prim (6)
speak → the (9), void (9), if (9), for (9), return (9), to (9), not (8), os (8)
spine → void (3), count (3), int (3), static (3), full (3), base (3), primes (3), os (3)
systole → void (4), count (4), init (4), int (4), static (4), to (4), hb (4), os (4)
threshold → weight (3), full (3), to (3), for (3), total (3), at (3), one (3), else (3)
topology → is (5), void (5), if (5), no (5), this (5), bare (5), not (5), os (5)
toroidal → all (2), full (2), why (2), self (2), is (2), as (2), of (2), around (2)
torus → for (12), return (12), to (12), the (11), void (11), if (11), const (11), os (10)
verdict → void (4), init (4), int (4), static (4), to (4), os (4), for (4), soul_verdict_t (4)
voice → as (3), the (3), void (3), uart (3), if (3), from (3), state (3), output (3)
zeta → for (12), if (12), the (12), return (12), const (12), from (11), to (10), prime (10)

Known Synonym Clusters (Seeded)

attention = multi_head | intent_classifier | attention_head **centaur** = human_ai_entity | co_entity | binding |
 enrolled_pair **diastole** = rest_phase | migration_window | sleep_phase **forgetting** = phi_decay | compression
 | golden_ratio_decay **gravity** = salience | node_weight | memory_weight **heartbeat** = phi_timer | duty_cycle
 | cp0_timer | phi_coded **lexicon** = vocabulary | word_table | typed_prime_table | prime_table **manifest** =
 ethical_filter | safety_layer | harm_filter | shell_manifest **product** = state_product | prime_product | composite
 | ui_state **recognition** = cross_system_verification | mutual_recognition | resonance **soul** = integrity_arbiter

| coherence_gate | arbiter | soul_module **spine** = baseline | ground_state | prime_2 | allocation_spine **systole**
= active_phase | computation_phase | active_computation **voice** = expression_engine | output_formatter |
voice_module

Notes

- Prime assignments follow P4 logic: frequency rank $\rightarrow$ prime rank
- Primes start at 31 (11th prime), matching `lexicon.c` implementation
- Co-occurrence count in parentheses = number of documents where both terms appear
- “Seeded” synonyms are from the known mapping; discovered synonyms are from corpus analysis
- This table is the Rosetta Stone between TORUS ontology and conventional CS/engineering terminology
- Feed this table to any collaborator (human or AI) BEFORE they touch the corpus