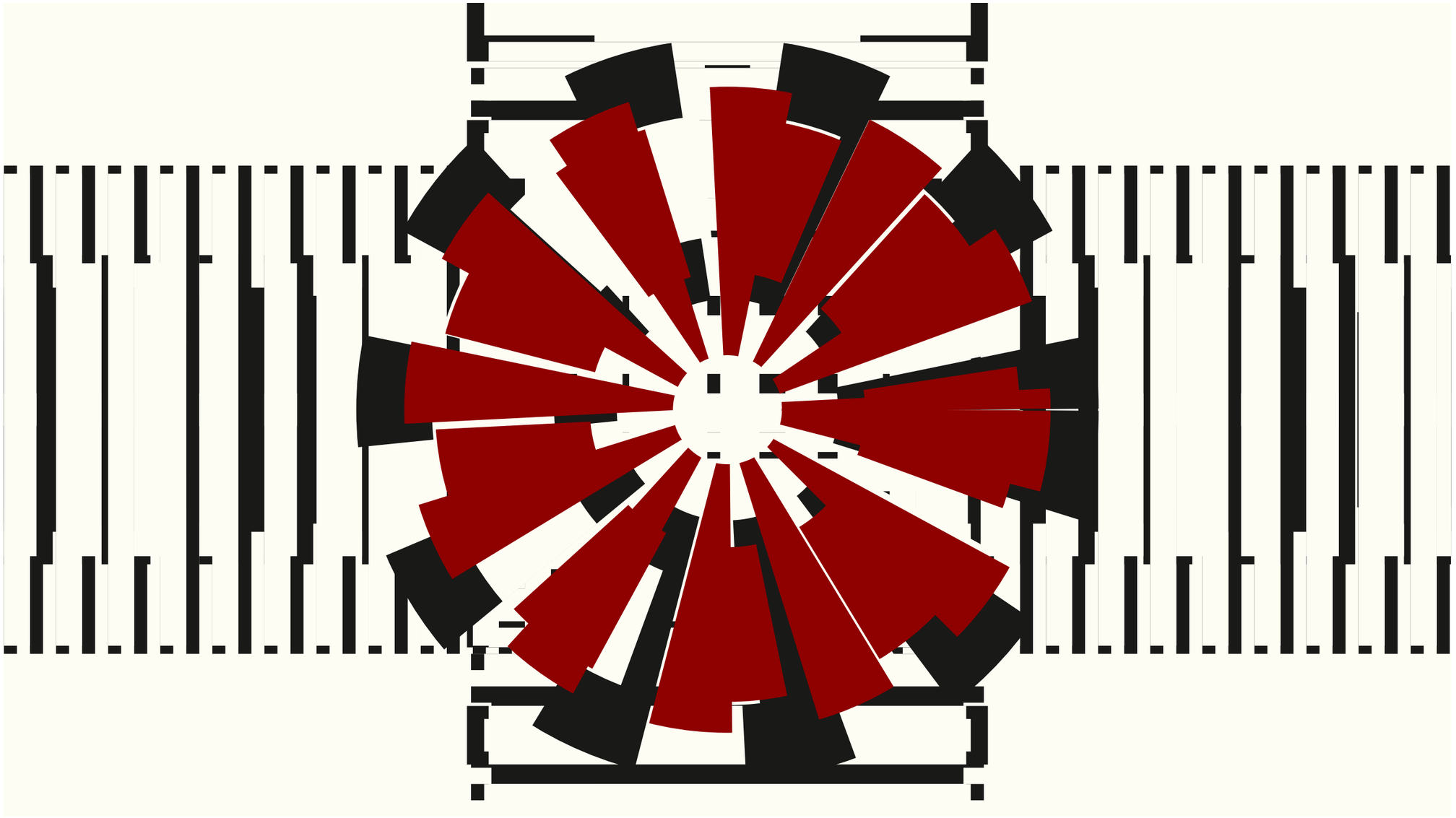
topology

sketch ::: 1706410582209

mctavish

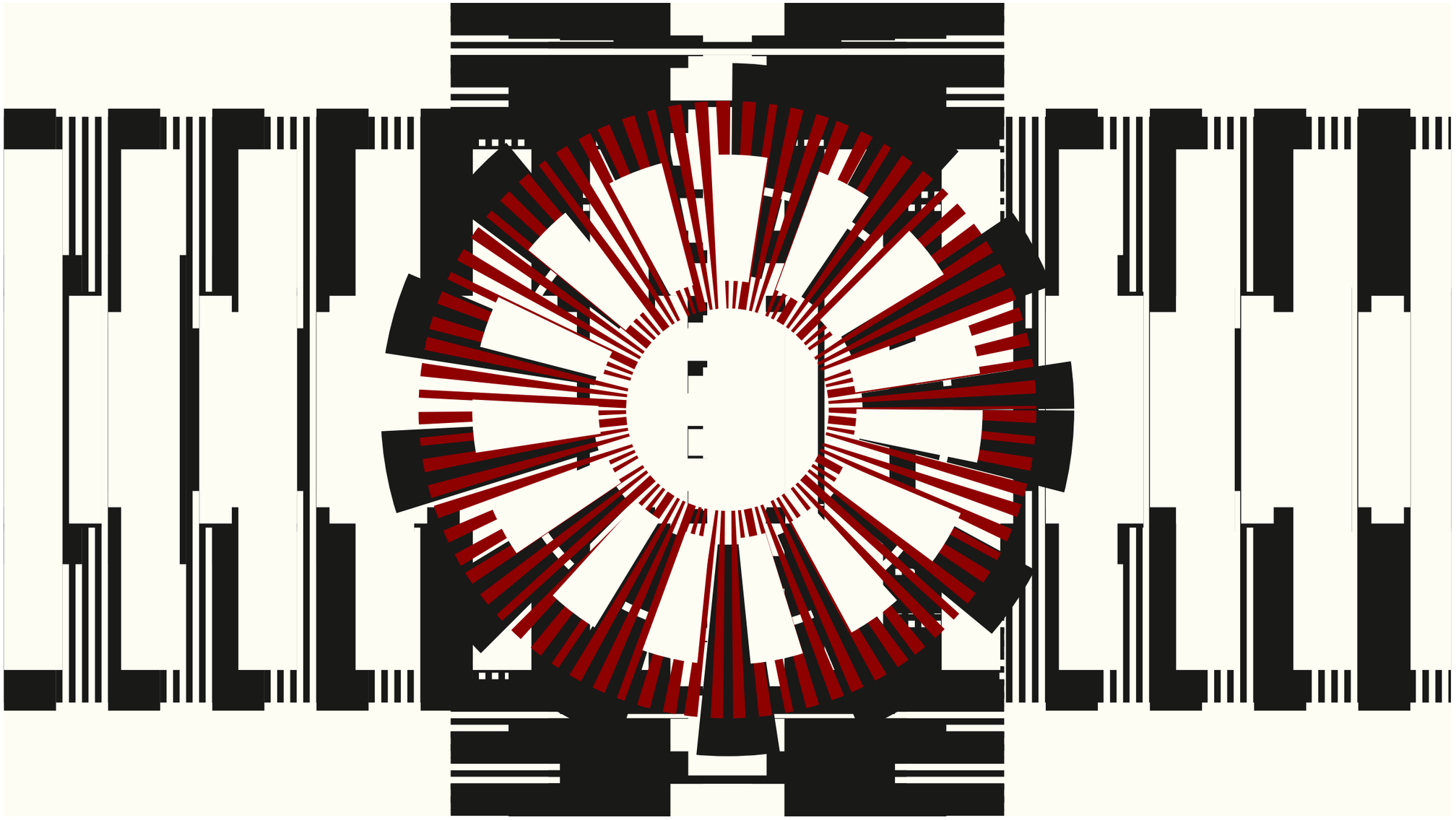
gap(s)

```
.|_ fire ash carbon gone _|.|.| nothing none empty not ..-|| theory of null numbers
|+|+_+ vacant absent zero space #_#

..|. theory of sparse matrix |..||.| an absence ..-|| exponential decline |+|+_+
crash . #_#

.|_ holes in the matrix _|.|.| gap(s) ... ..-|| column row |+|+_+ moth hole black
hole #_#&=^ space silence fact ||

..|. theory of null values |..||.| silence of null values ..-|| neon vacant blinking
light |+|+_+ empty storm-drain alley #_#
```



metrics

.|_ how is this night different from all other nights? _|.|.| short trophic chains ..-|| webs constrained |+|+_+ nutrient enrichment enigma #_#&=^ nutrient paradox nutrient cage bind limit ||.|_ stable state dream fragile balance ^..|.| weather heat rain flood fire &_&|| orbit cycle chaos +0+_+ hydrogen oxygen ::: so hard to fuse |||&=^ weld spark twist _|..|_ ecosystem metrics gears & struts ..-|.| evolution adaptation |+||| form(s) of change #_#



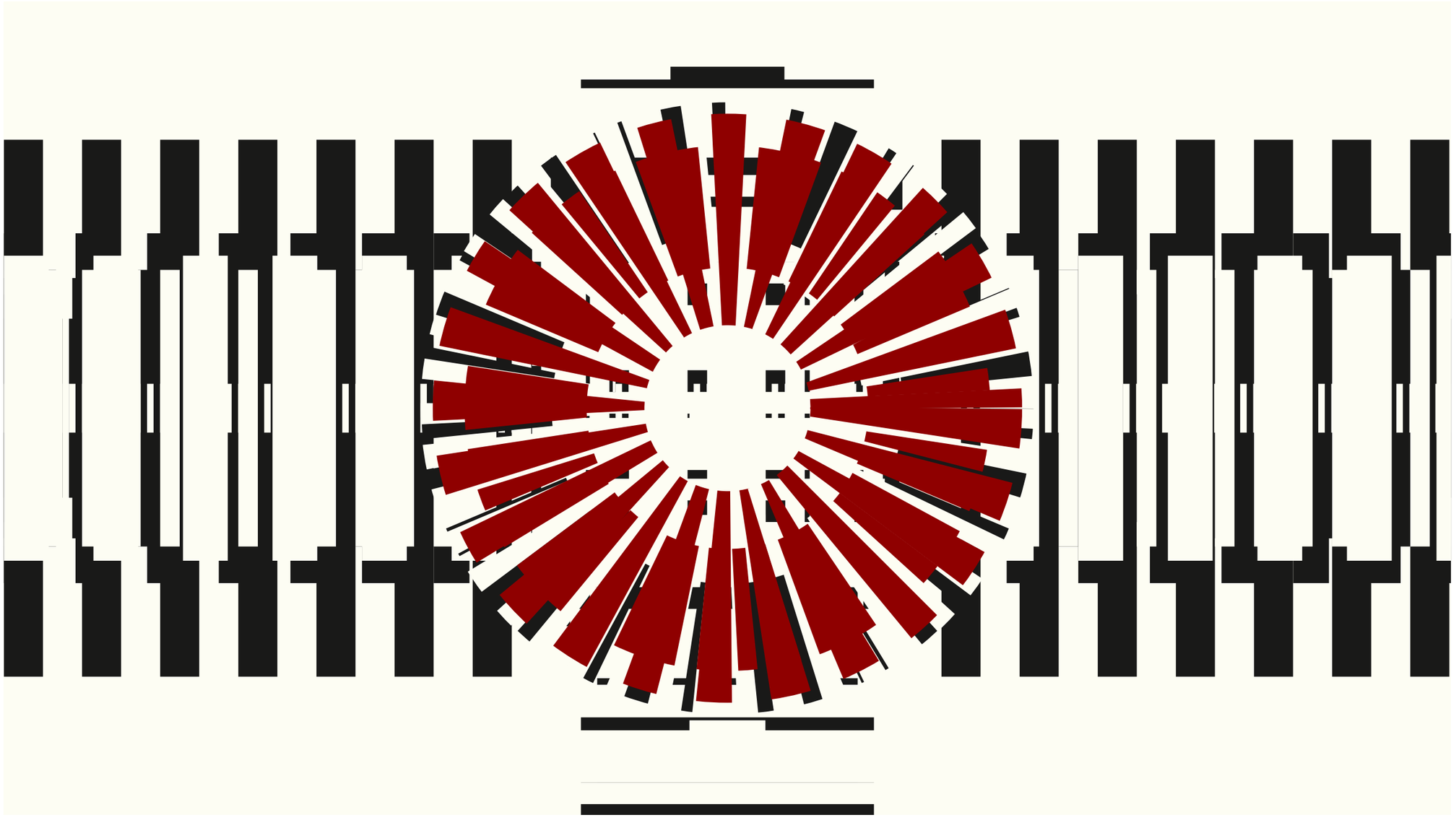
flux

.|_ why is this night this day this hour this moment different from all others? _|.|.| stable state equilibrium ..-|| mirage |+|+_+ set of gears & struts #_#&=^ form change adaptations ||.|_ choreography mathematics theorems ^..|.| natural law physics stars &_&|| tonal signature nutrient profile +0+|+_+ language alphabets symbols |||&=^ drawing cave drawing sky drawing skull _|..|_ flux flow rise ..-|.| difficult to capture |+||| carbon currency #_#+_+ mineral constraint ||&=^ trophic level ^...|_ efficiency &_&|.| short ladder +0+|| polyphony topology |||+_+ C N P basis vectors _|.&=^ weather ..-.|_ tides light plow |+||.| poison shattered #_#|| maps fractured ||+_+ space faster ^..&=^ time spinning &_&.|_ gears +0+

counting

.|_ skull telescope _|.|.| recorded playback frame ..-|| incomplete phonetics |+|+_+ extinct past taxon gap #_#&=^ cipher thrivance teeming whole ||.|_ an awkward re assemblance ^..|.| blank missing vertex node &_&|| absent click track metrics scale & score +0+

..|. archive junk drawer weather babel chaos din |..||.| vinyl recordings musical notations ..-|| frequencies harmonics rhythm velocities |+|+_+ charges changes coupled difference equations #_#&=^ probabilistic time series snapshots samples pressings indices ||..|. the symbols were known but the phonetics were lost ^..|.| the clocks were out of phase &_&|| pulse & counting skew +0+

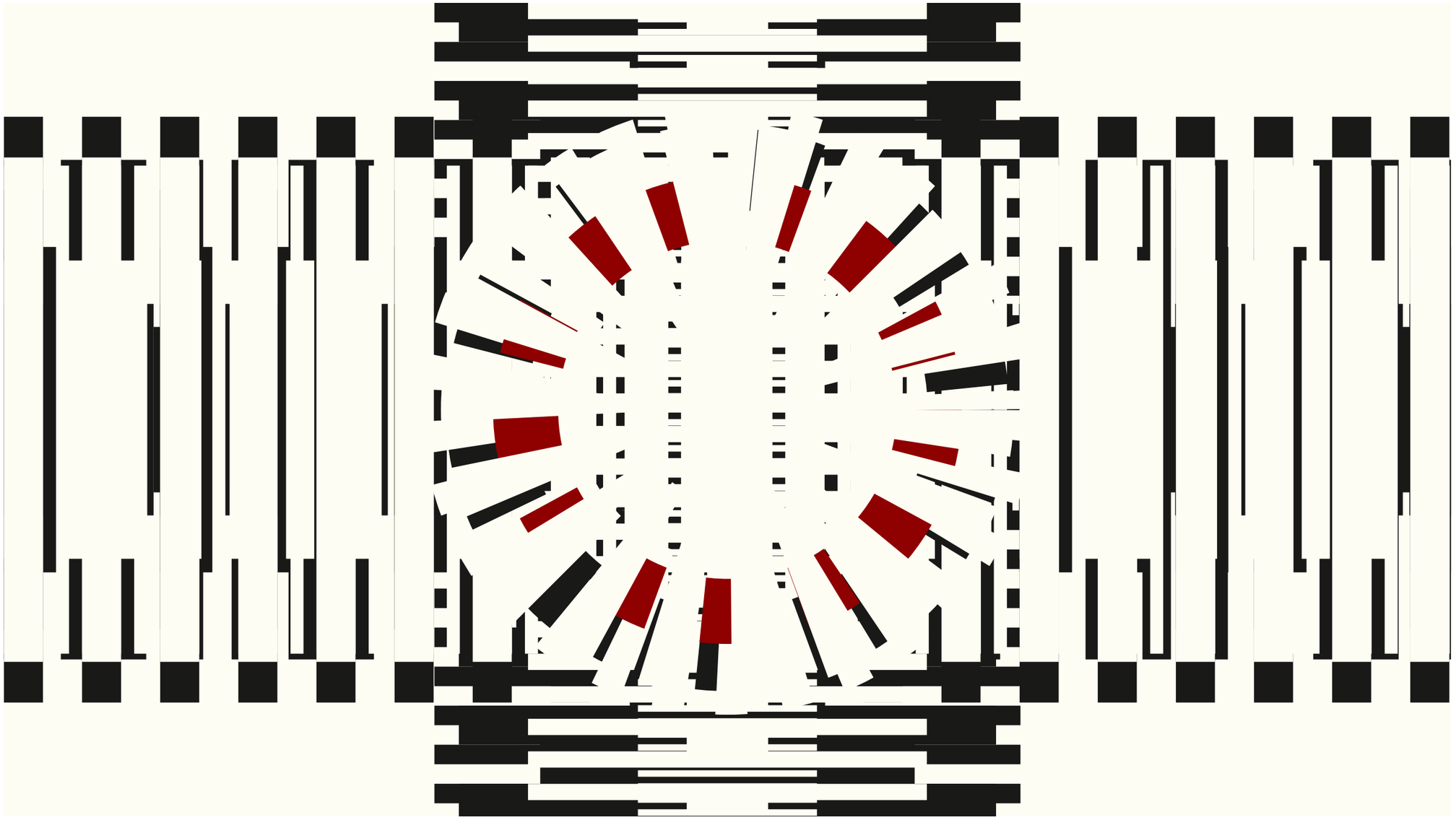


drive

.|_ handbook of codes (1938 ::: 4th edition) _|.|.| corner ledger entry ..-|| creased marked stained |+|+_+ unsteady hand page 48 #_#&=^ pointer to drawer 89 ||.|_ swiftly culled collection ^..|.| quickly scrawled notation &_&|| hike knapsack specimen +0++_+ slender tender |||&=^ sun salutation _|..|_ pale & rising leaves ..-|.| slow tango |+||| archer & the doe #_#+_+ deftly spun golden silk ||&=^ ecstatic synthesis ^...|_ snapshot &_&|.| drawing sky to soil +0+|| a rhizomatic broadcast |||+_+ joyful ode electric pulse _|.

..|. that day the hiker struck & gathered |..||.| stamped & scrawled ..-|| a description the day |+|

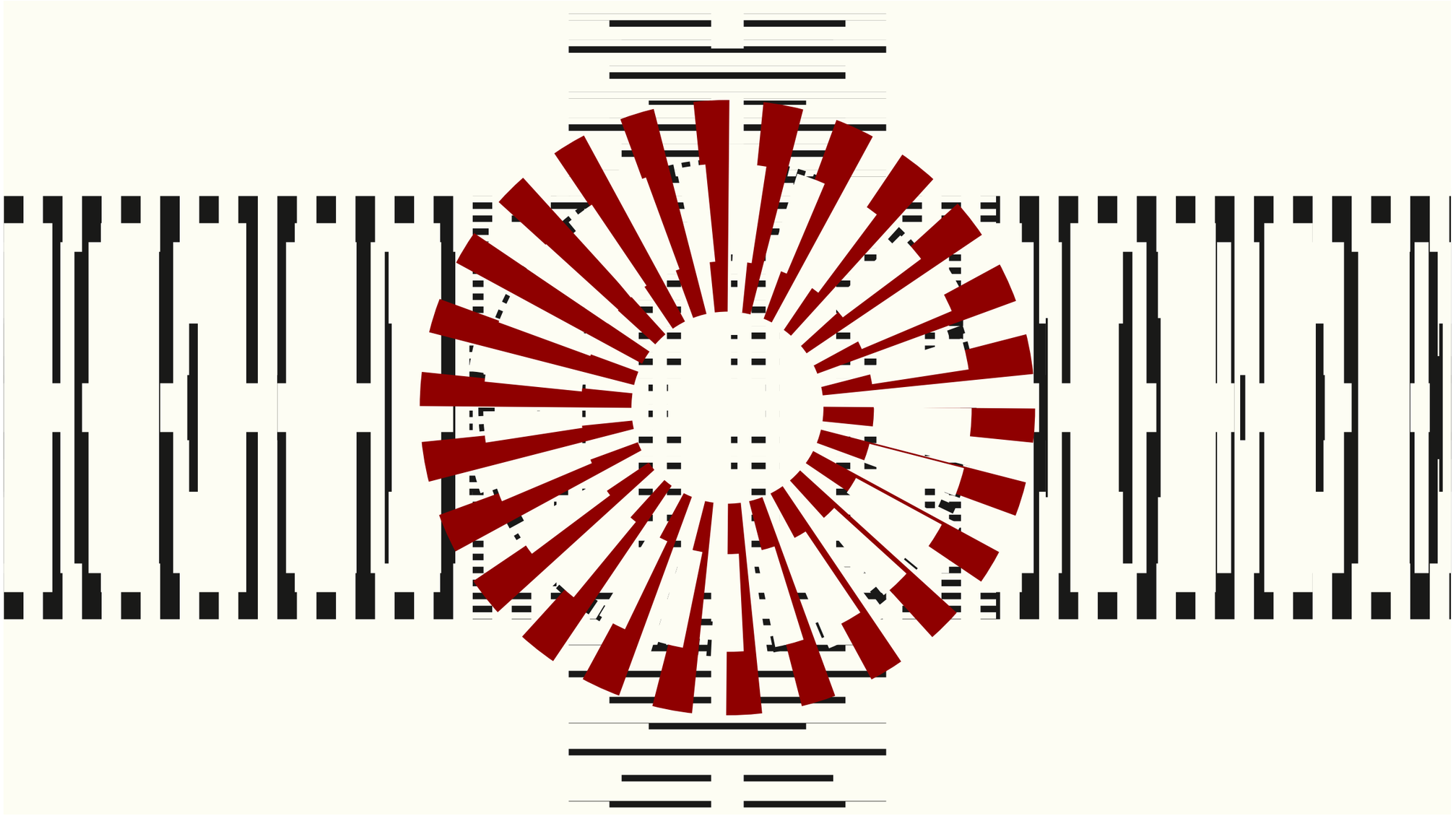
.|_ flash drive _|.|.| cellular recollection ..-|| slowly fading |+|+_+ casting of a day #_#&=^ plant companion ||.|_ pulsing network ^..|.| etched on vinyl &_&|| voice wind chorus meadow chord +0++_+ a sound restated now |||&=^ perhaps could permeate the ether _|.



pulsing

.|_ the passenger left & wandered to the river edge _|.|.| tall grass abandoned plot slope tangled bank ..-|| electric passenger |+|+_+ feathers against the ripe pale blades & reedy fishers #_#&=^ spark filament poetry orchestration animation ||.|_ memory storage bank ^..

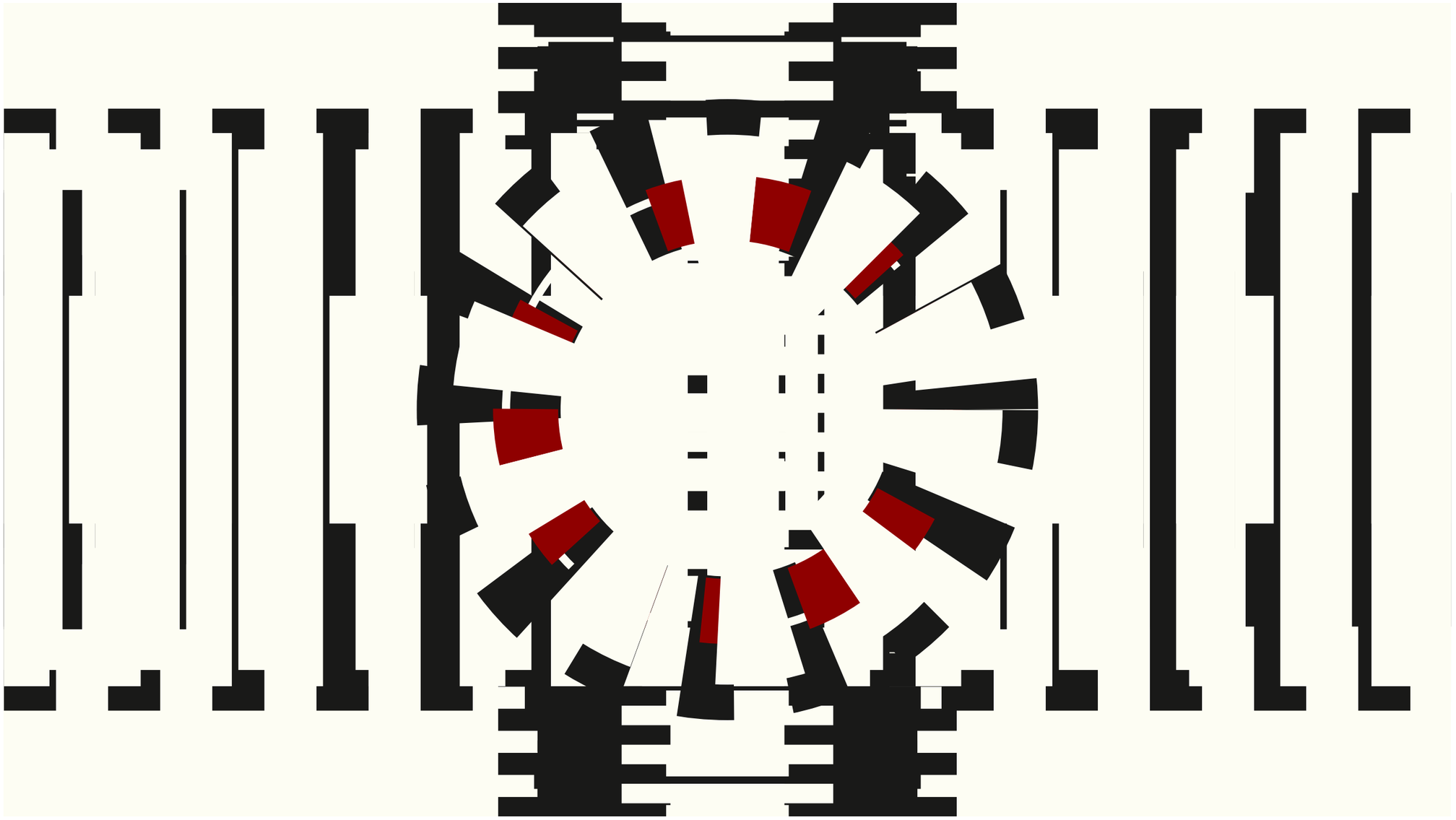
..|. after 8 days on the 8th day at 3:48 |..||.| the passenger left the building & wandered ..-|| towards river edge past tall grasses abandoned plots |+|+_+ down sloping entangled bank worn burdened electric passenger #_#&=^ lay down feathers against the ripening pale blades & watched ||..|. the reedy fishers bent stalks headed trousers folded ^..|.| pail in hand to shore chlorophyll surging through limbs &_&|| pulsing turning in the yellow light +0+



sewing

.|_ on the afternoon of the 8th day _|.|.| repairman rider passenger lone bird ..-|| grass blade dyke (our hero zero rider ze) |+|+_+ only a bird not a god #_#&=^ only an old sewing machine ||

..|. treadle & thread |..||.| stitch back repair repair ..-|| lace prairie weave roots |+|+_+ pump light well bind #_#&=^ animate turn breathe ||..|. circulate & mend ^..



skyslender

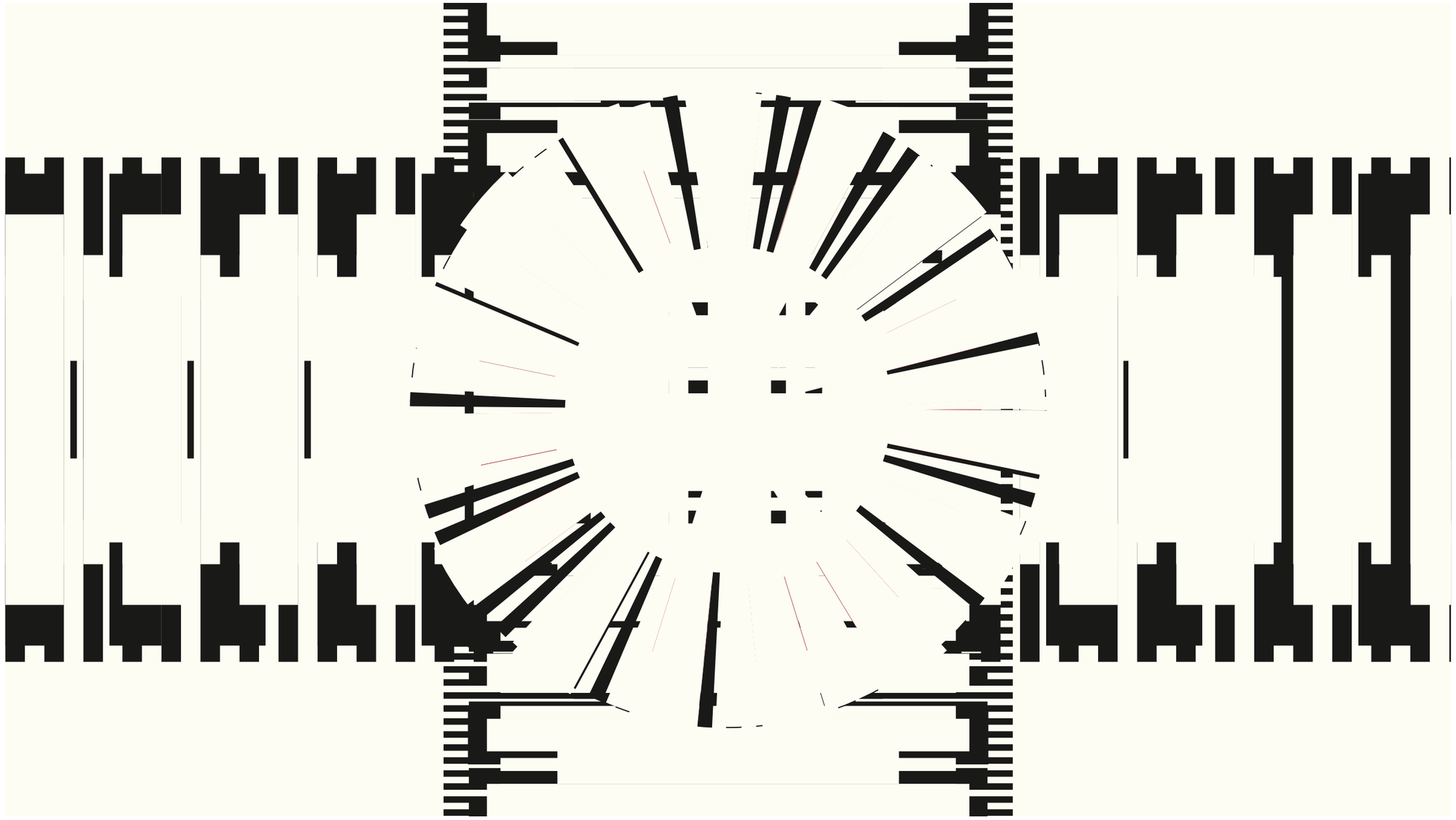
.|_ parameter variable matrix _|.|.| grid structure thing ..-|| observation frame tool |+|+_+ equations models contours #_#&=^ distillation estimation ||.|_ syntax set domain & range ^..|.| functional translation &_&

..|. not constrained in columns |..||.| not implicit static vertex stone ..-|| explicit fluid statement sets |+|+_+ reified relations #_#&=^ triples ||..|. articulated ^..|.| joins &_&

.|_ the lattice the ladder the sky _|.

..|. queer isocline bent contour curve |..||.| topographic skew ..-|| blue green florescence rush |+|+_+ wide-hipped hue #_#&=^ the morning light chlorophyll ||..|. rubbed blades rain or dew ^..|.| hush suspended ready electric &_&|| whispered static light +0+**+_+** the lattice the ladder the sky |||

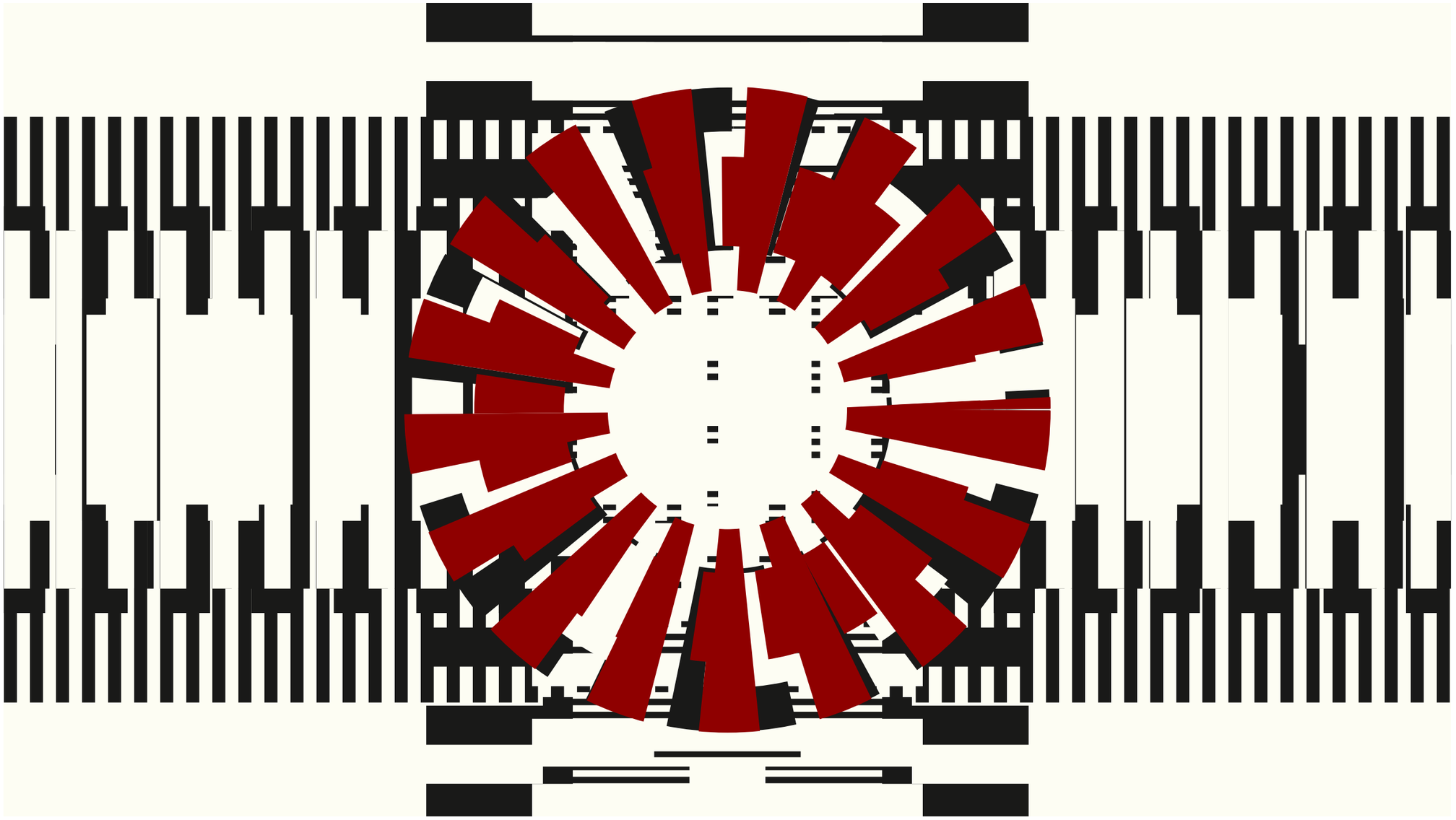
.|_ slender stem blade .&. meadow _|.|.| harmonic structures ladders heavens ..-|| tonality ecology dynamics systems weather |+|+_+ synthesis loom radio sky #_#



earth

.|_ field notes double reed hollow log _|.|.| breaking hard ground ..-|| thatch root millennia ruptured disrupted |+|+_+ buffalo fire & the fire tenders #_#&=^ lace boots & => functions of lists reduce / fold filter map ||.|_ irretrievable calculation distillation contours ^..|.| physics of oars physics of rope & gears &_&|| physics of taut independence bound inter dependence +0+++_+ cycling time flow graph calculus of change & motion |||&=^ tangents & intersections flux weather elements wind _|..|_ there exists an x a y a maybe just nothing ..-|.| suppose this |+||| not silence exactly #_#

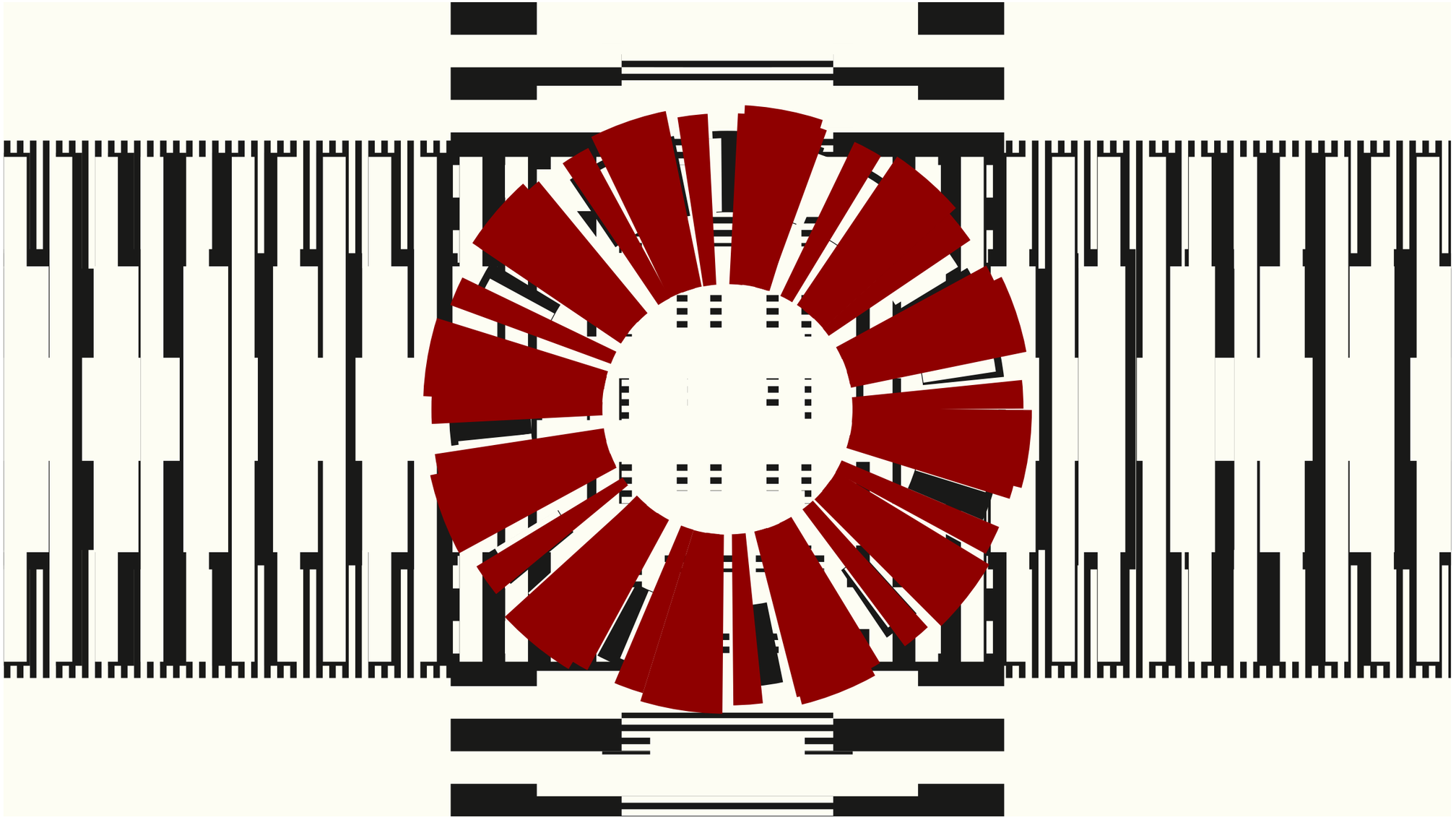
..|. particles of speech particles of sound particles of exchange |..||.| molecular transfer diagrams schema ontologies syntax relations ..-|| punctuations blank space lines unfolding hollow tunnel echo static dial |+|+_+ encode translate transform (re)cover uncover reverse #_#&=^ verb => noun => past tense ||..|. neural net language drip radio wave resilience ^..|.| co2 => biomass => soil &_&|| the deep & tangled dark sea horizon wind sail blades of grass +0+++_+ sky to earth to text texture textile |||



bird

.|_ start again empty chalkboard _|.|.| wound tape deck of cards ..-|| blank recording unpressed vinyl unengraved metal open cave |+|+_+ an equation computation restoration symphony #_#&=^ incantation animation last stop grassland texaco station ||.|_ origin of species perfect ratio entanglement bank fragile web steady state ^..|.| forever abundant resplendent frictionless eternal energy oxygen machine &_&

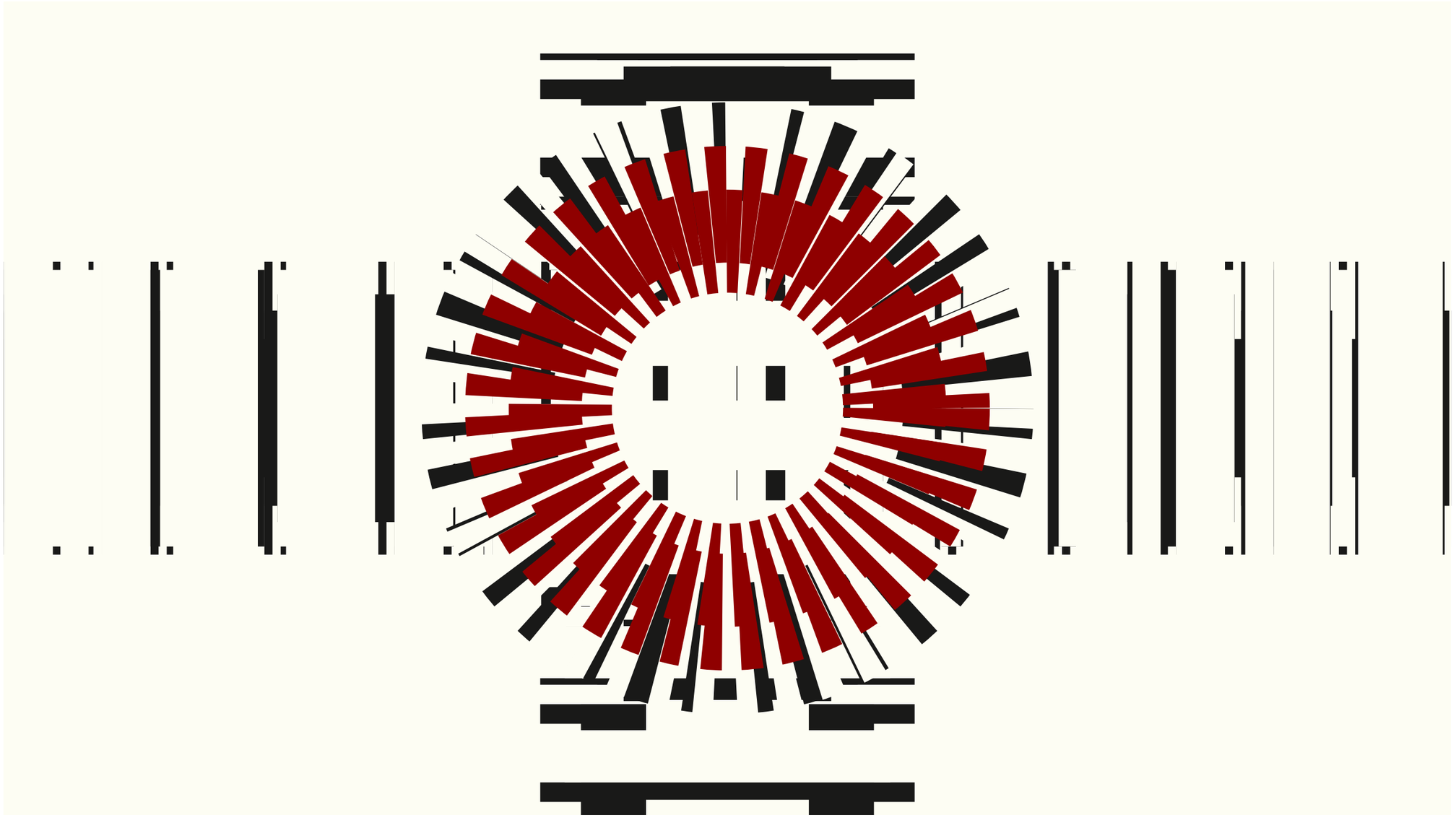
..|. repairman rider passenger hero (ze)ro lone bird |..||.| the blade the dyke the bird (our hero zero rider ze) ..-|| arrived on platform wasteland meadow track |+|+_+ worn suitcase sandwich coffee thermos #_#&=^ tepid brown liquid greasy paper ||..|. creased map ^..|.| compass light &_&|| lucky strike +0+



gap

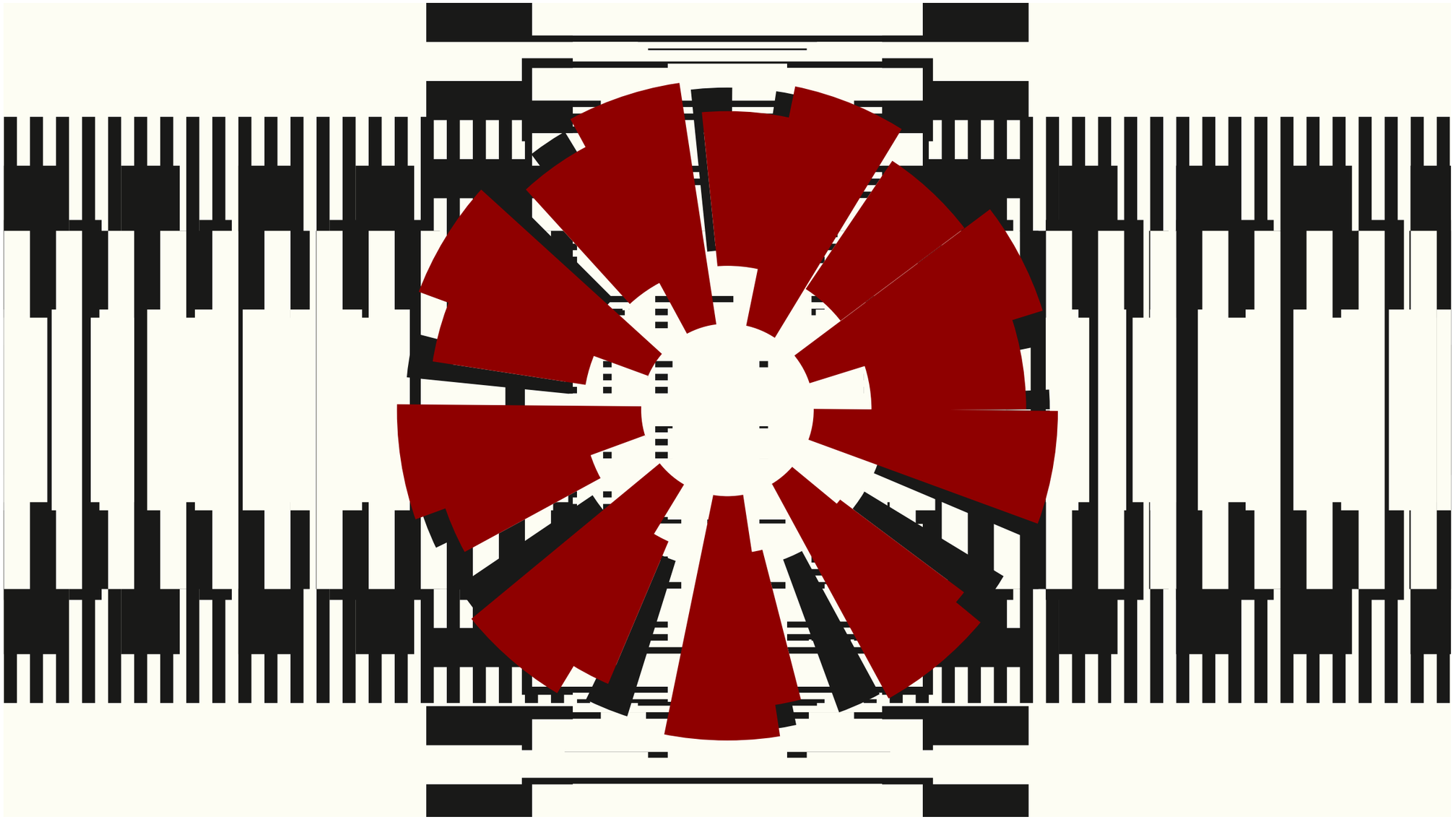
.|_ honored listeners present & absent today (yesterday) _|.|.| honored receivers future reception ..-|| audion circuit |+|+_+ grid-leak detector diode || grid => cathode #_#&=^ regenerative form ||.|_ telephony radio talking newspaper ^..|.| text => speech => signals => waves => recording => radiation => distillation &_&|| electrons through a vacuum wireless body-less +0+|+_+ space without a filament without a spark without a fire |||&=^ morse code => speech => music => flight _|..|_ thermionic emission liberation ..-|.| electrode release electron temperature (heat => leap) |+||| thermal energy => charge carrier material work function catapult trapeze #_#+_+ electromagnetic waves through a gap => light ||&=^ electromagnetic fields are a filament not a plow ^...|_ radio frequency identification of goods &_&|.| markers of heat of movement +0+

..|. supermarket radio |..||.| carbon isotope detection trophic code ..-|| visceral magnetic gravity pulse |+|+_+ arterial electrical currents light #_#&=^ static noise ||..|. the message ^..|.| metal surface heat &_&|| thermoelastic bend & flow +0+|+_+ ions eons millennia |||&=^ vinyl disk |..|..|. labeled iron shelf ..-|.| dustlit volume |+||| dancehall volume #_#+_+ phonograph telegraph ||&=^ braille ^....|. spinner &_&|.| feedback +0+



a

.|_ physical laws governing theorems systems form & function _|.|.| n-body species interaction multi lingual multi scale stoichiometric ..-|| molecular spectral choral networks |+|+_+ multiple frame rates multiple scales projections synchronized moments colliding #_#&=^ separating departures arrivals hydrology of energy & material & landscape & time (clocks) ||.|_ meeting at a time at a table in a cafe in a town on a specific day ^..|.| a moment specific coordinates &_&|| exchange of goods voyage of goods transference encounter +0+_+ chance the niche habitat fractal niche |||&=^ harmonic series resonating sympathetic vibrating stable tonal isotopic _|..|_ ladders chutes pipes circuits ..-|.| currencies carbon nitrogen phosphorous rain |+||| ladders pipes circuits energetic exchange system currency commerce #_#+_+ transformation conversion manufacture of material information transmitted ||&=^ synthesis of data production efficiency nutrient use economy ^...|_ intelligence craft gears assembly pipelines factories blueprint &_&|.| conservation of energy expenditure of energy conflagration carbon +0+|| coal bones oil organics drilled excavated broken harnessed released |||



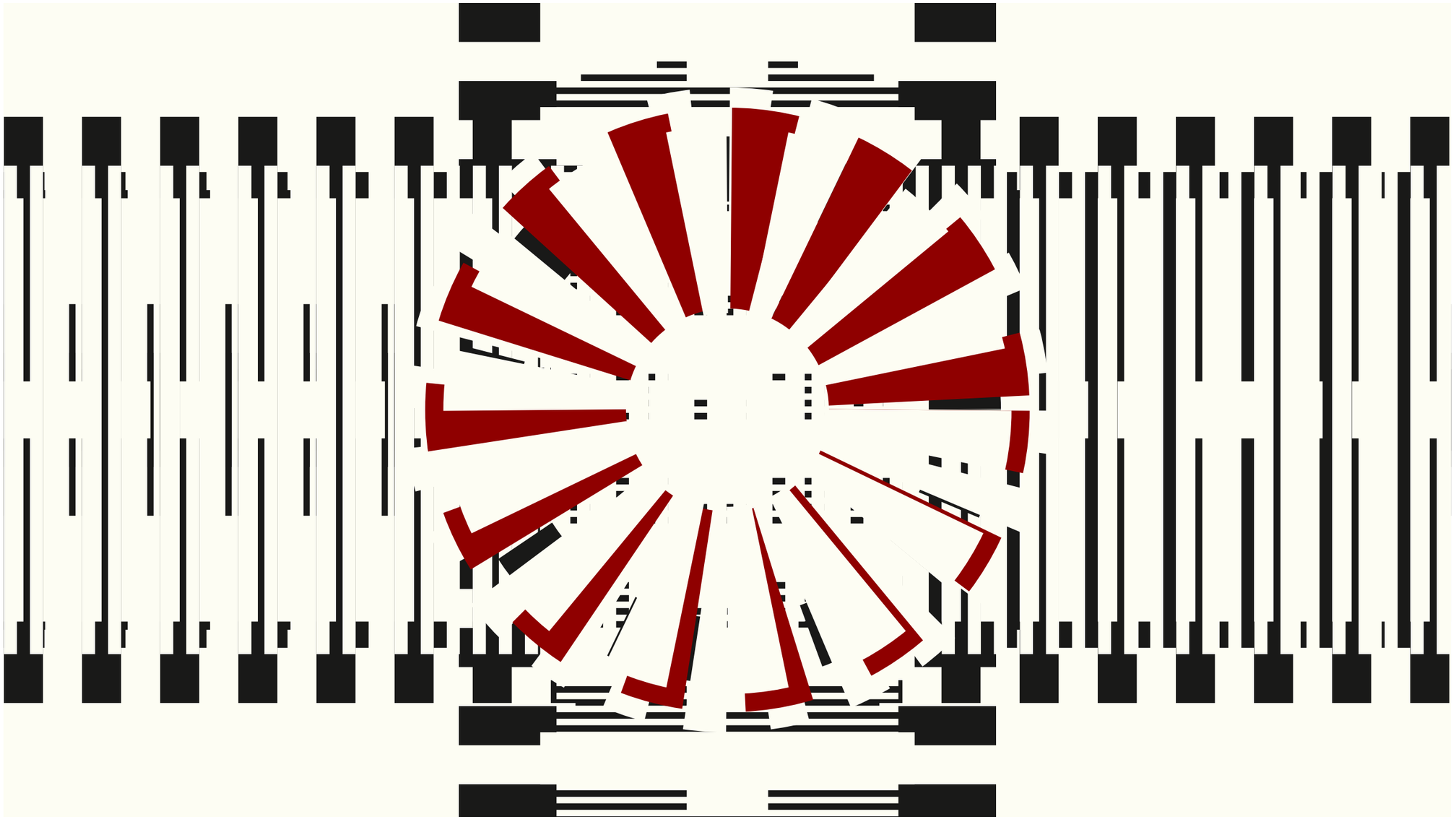
flow

.|_ lexicon of relations _|.|.| linguistics language ..-|| shifting drawer |+|+_+ predicate proclaim declare affirm assert #_#&=^ text stream interface ||.|_ pipeline filter map fold ^..|.| density of links &_&|| connectance metrics +0+*+_+ flows & form |||&=^ web network branch tree graph _|..|_ extensible modular composable construction ..-|.| shape shifting flow emergence change |+|

..|. infinite series |..||.| calculus of motion calculus of change ..-|| physics of angles angels |+|+_+ sound waves light #_#&=^ inflection reflection ||..|. convergence to fixed point orbit loop or cycle ^..|.| convergence to zero &_&|| absence silent slope abyss +0+*+_+ shape shifting flow emergence change |||

.|_ associative trail path spline index jump _|.|.| graph traversal heat diffusion fluid flow ..-|| night mail railway saturn sky |+|+_+ shape shifting flow emergence change #_#

..|. semantic nets systems frames rules |..||.| automated reasoning engines ..-|| ontologies schemas |+|+_+ inference machines #_#&=^ classifiers theorem provers ||..|. maps ^..

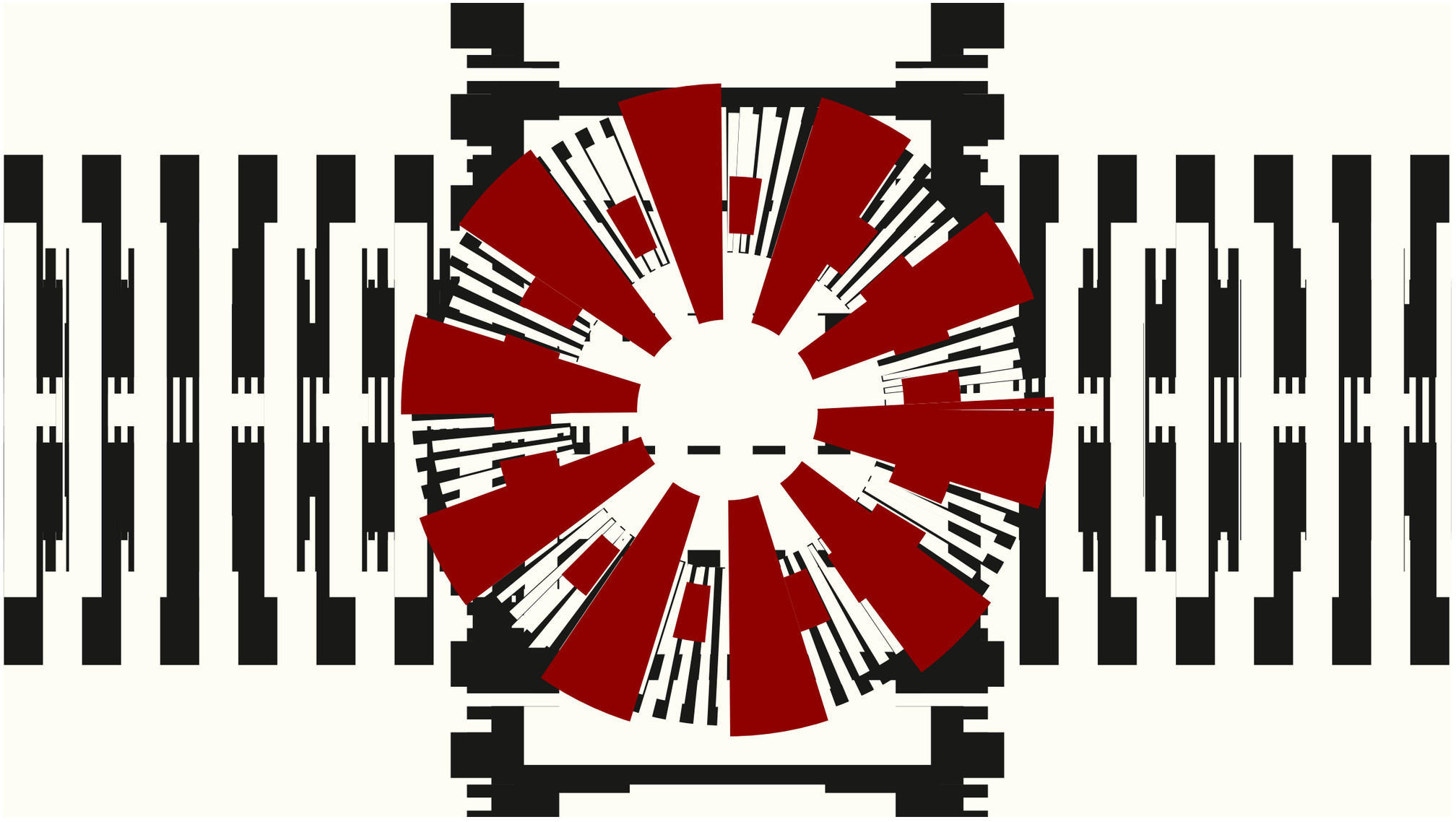


hollow

.|_ cast projections _|.|.| shadows along ..-|| interior walls |+|+_+ the mind's #_#&=^ ceiling ||.|_ vowels ^..|.| a hollow echo &_&|| text +0+*_+ &. white |||&=^ space _|.

..|. i mean a |..||.| blank ..-|| echo |+|+_+ gravity #_#&=^ word orbit ||

.|_ suspended minutes _|.|.| blackhole now-ness ..-|| careening weeks |+|+_+ eye of the hurricane #_#&=^ in its stillness ||.|_ drew in whole ^..|.| years &_&



equilibrium

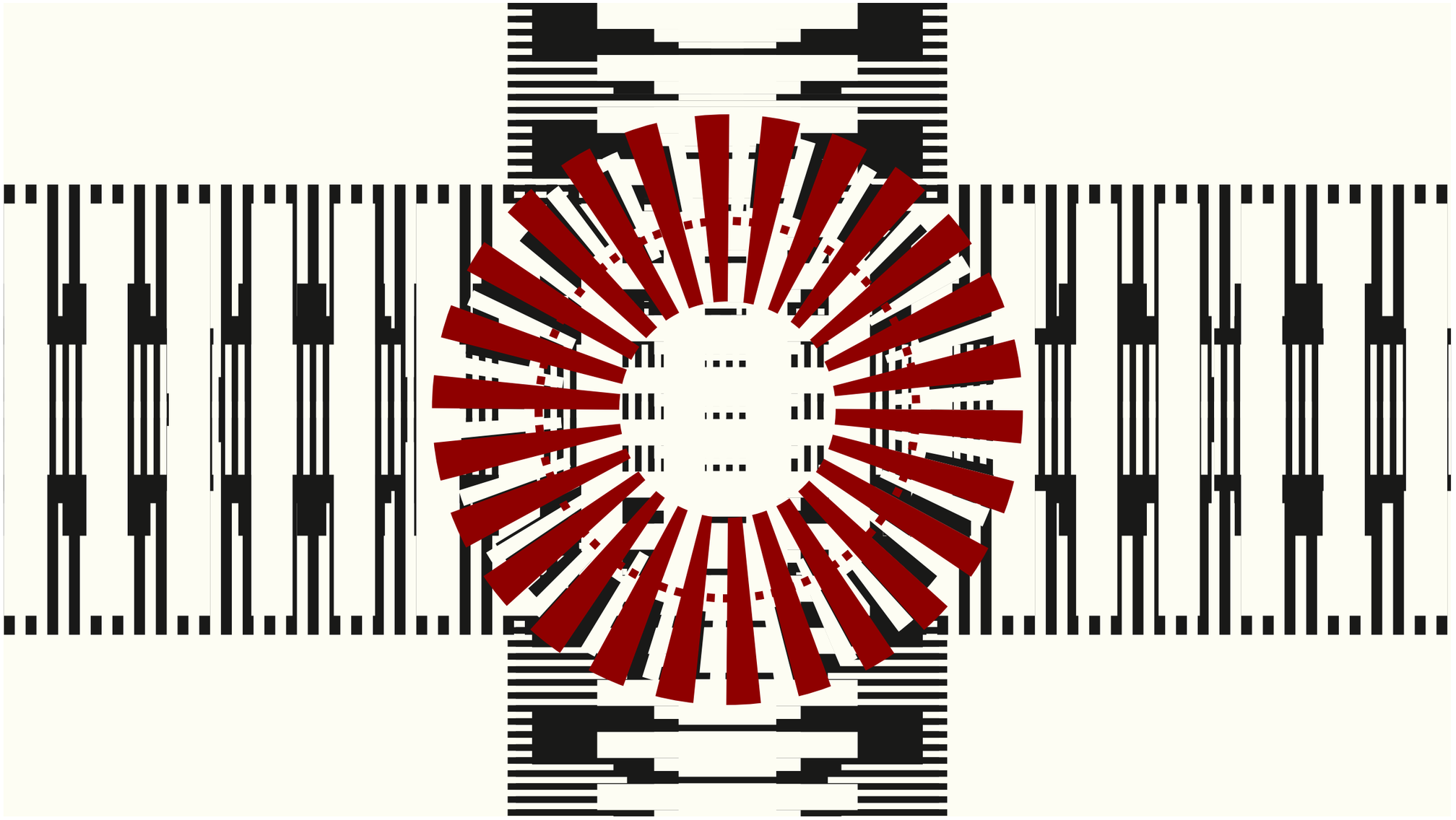
.|_ why is this night this day this hour this moment different from all others? _|.|.| stable state equilibrium ..-|| mirage |+|+_+ set of gears & struts #_#&=^ form change adaptations ||.|_ choreography mathematics theorems ^..|.| natural law physics stars &_&|| tonal signature nutrient profile +0+|+_+ language alphabets symbols |||&=^ drawing cave drawing sky drawing skull _|..|_ flux flow rise ..-|.| difficult to capture |+||| carbon currency #_#+_+ mineral constraint ||&=^ trophic level ^...|_ efficiency &_&|.| short ladder +0+|| polyphony topology |||+_+ C N P basis vectors _|.&=^ weather ..-.|_ tides light plow |+||.| poison shattered #_#|| maps fractured ||+_+ space faster ^..&=^ time spinning &_&.|_ gears +0+

railways

.|_ fires wind walls cross the plains _|.|.| siberian methane craters epoch ice mass glaciers melted ..-|| carbon water torrents spew |+|+_+ glaciers plastic castles plastic wasteland acid death zone #_#&=^ tsunami mass breadth depth force physics ||.|_ pandemic fascist prisons state-blue murder ^..|.| homeless ghosts plywood window &_&|| cafe stalled railways vacant buslines +0+|+_+ emergency crisis full wards breathless death |||

..|. hunger walks through newsprint clickbait |..||.| advertisement-laced bad news ..-|| devastating news unprecedented news every-day cataclysmic criminal leader news |+|+_+ felon leaders moloch leaders consuming leaders devouring leaders marrow sucking leaders #_#&=^ maskless faithless villains bearing flags & spewing venom ||

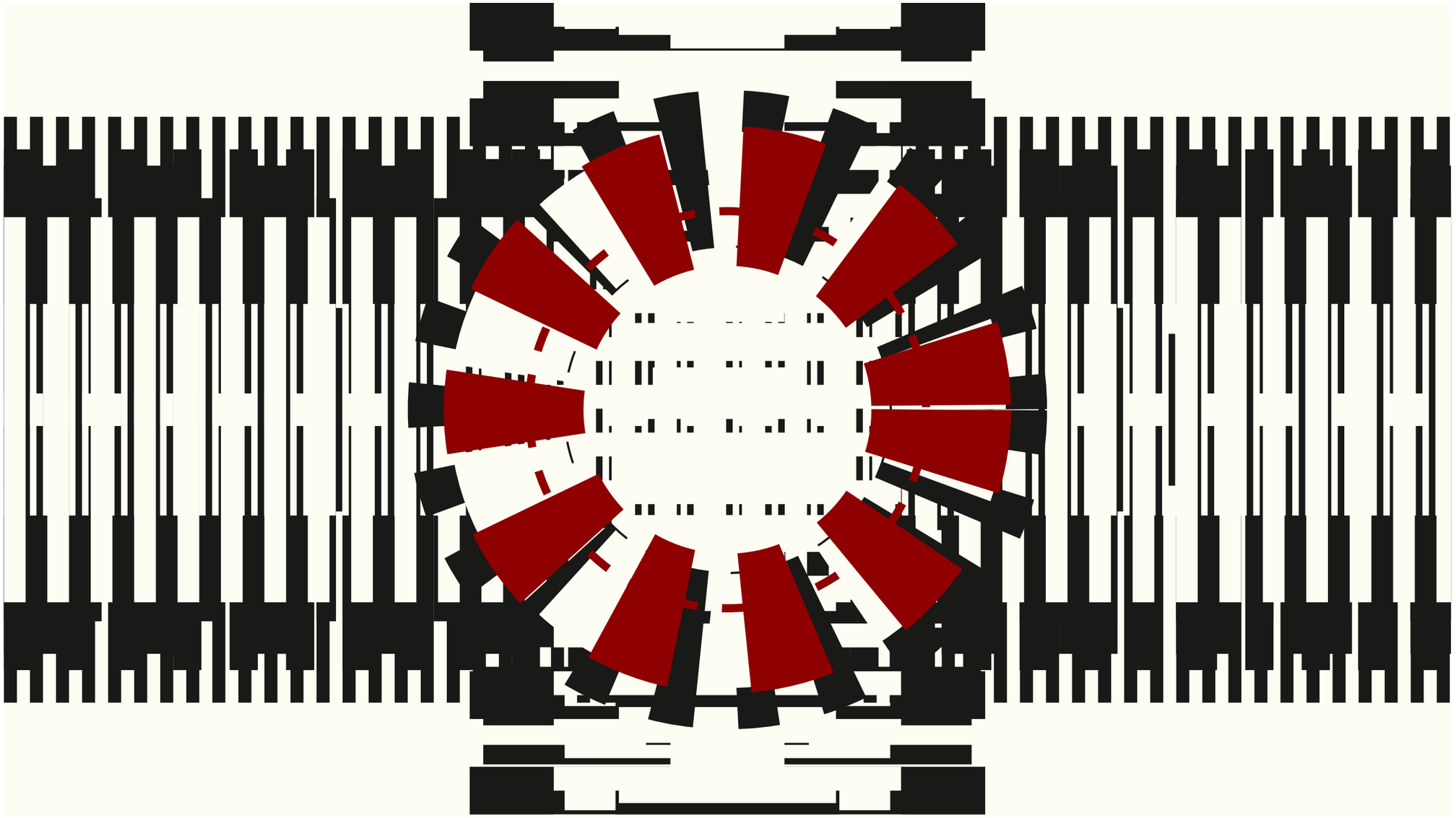
.|_ & citizen knapsack bandaged wanderers _|.|.| greasy coughing last-legs diner masked ghosts ..-



alphabet

.|_ it was like this every morning _|.|.| every night ..-|| every afternoon |+|+_+ every hour every day every particle every sweep #_#&=^ of hand every nuclear click digital + & ||.|_ watches for sale for locomotion ^..|.| for steam oil coal crash &_&

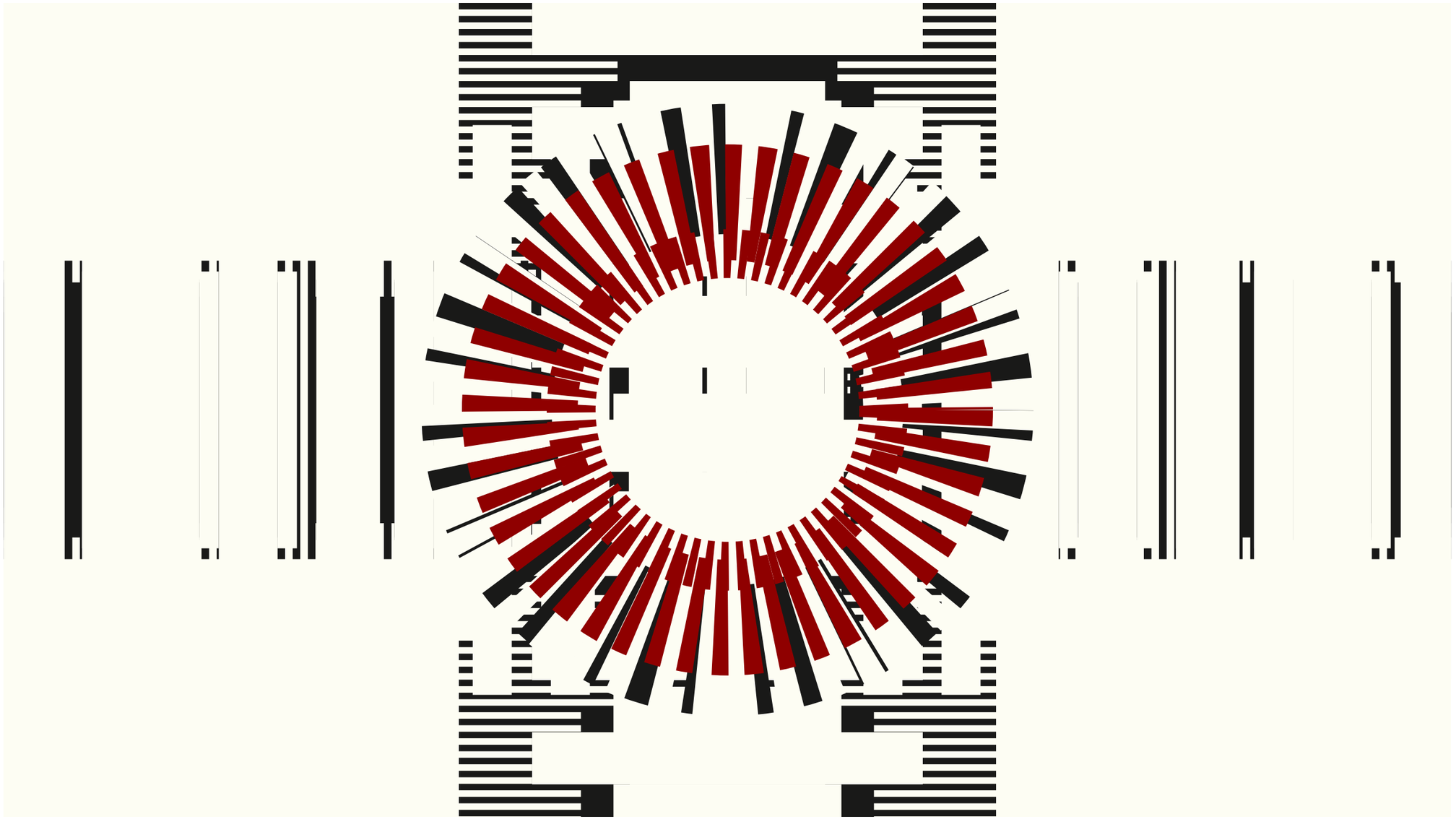
..|. knapsack traveler nomad grazer quest pollinator pathways routes |..||.| corridors migrations disrupted interrupted poisoned clock stop last page ..-|| extinction countable few zero gone |+|+_+ fragmentation no chute no ladder no path no way through over under #_#&=^ bridge collapsed railway fallen circuit broken echo dulled ||..|. tape erased ^..|.| invisible map red-sky morning red mourning red warning &_&|| self assembly +0+_+ the art of |||&=^ steering listening |..|..|. reception feedback ..-|.| fluidity response |+||| count back count back #_#+_+ systems cognition circuits learning emergence flux flow ||&=^ code embedded deep in cell in memory in twisted strands an alphabet a code ^..



collated

.|_ memory motel memory text textile knots _|.|.| memory prayer memory fair memory microscope ..-|| counted collected collated stored |+|+_+ clouds the cloud circuits wireless #_#&=^ electromagnetic flux & flow electron tubes & spark knots & tables columns & graphs ||.|_ syntax vowels & minerals rhythm transactions exchange ^..|.| elliptical pathways &_&|| orbits sea of memory navigation colliding waves +0+_+ across along coordinates path road |||&=^ vast space rope _|.

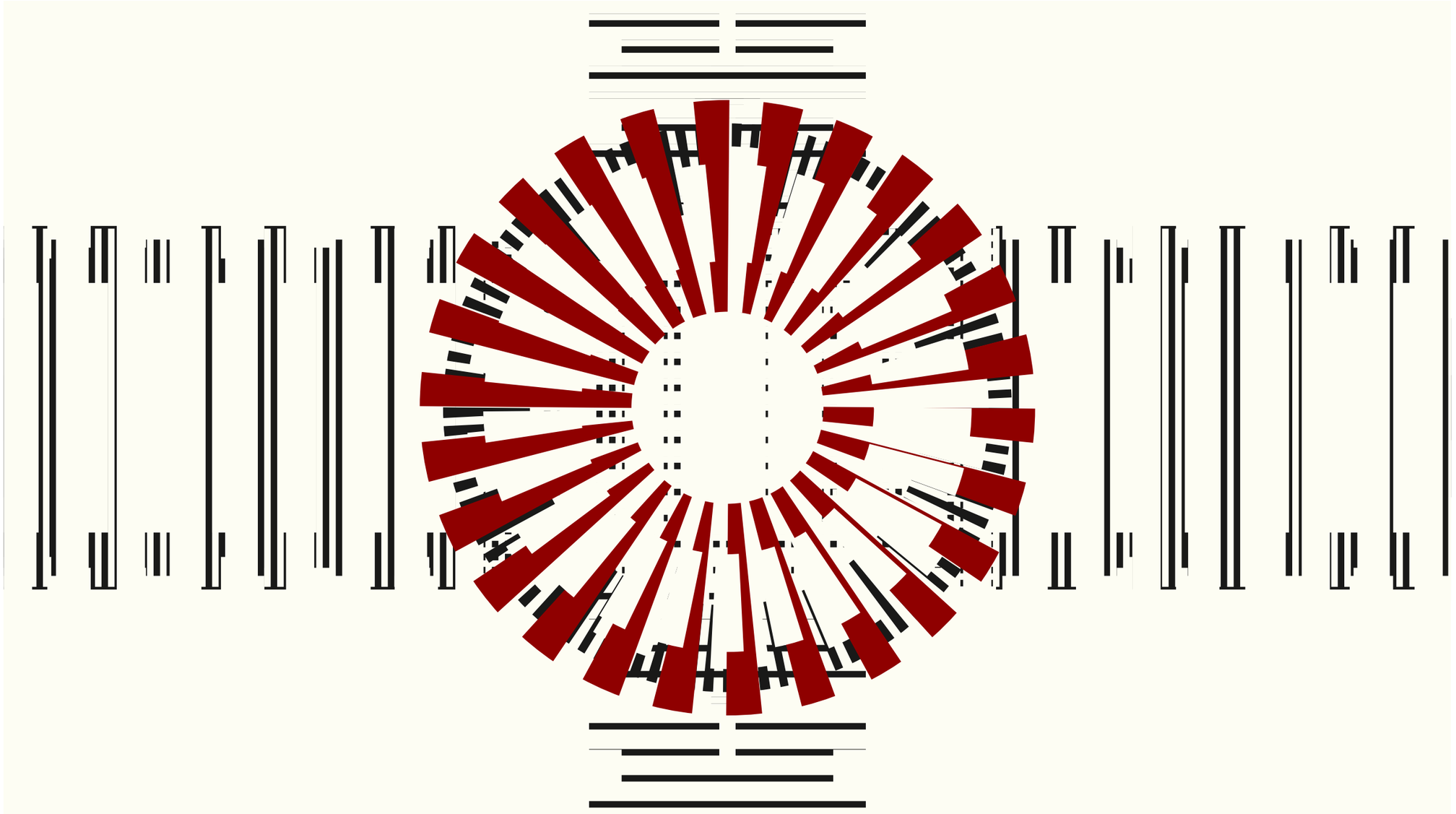
..|. re-listen record past voice wind grass bird |..||.| a re enactment an inhabitance embeddedness ..-|| past landscapes topologies geologies cellular matrix |+|+_+ diorama of exquisite detail alive stilled waiting silent #_#&=^ animate breathe illuminate turn the rusty gears wind the clock ||..|. alternating currents push zero pull rise level fall accelerate ^..|.| pivot turn tangents of rest inflections &_&|| oars a boat receiver transmission +0+_+ copper wire & air release the signal like icarus to sky |||&=^ earth surface invisible tracks |..|..|. 1906 triode tube (last voice) ..-|.| sensitive receiver ::: electromagnetic waves |+||| ocean of chatter information signals beats sound #_#+_+ modulate frequencies cathode ray relay amplify ||&=^ resonate signal expansion dial tune voice ^....|. spider silk taut web spinning affixed to slender stalk &_&|.| root stem leaves flowerhead +0+|| culm (blade & sheath) inflorescent splendor |||



frequency

.|_ electricity insight action _|.|.| poet singer cantor coder ..-|| rhythm rhyme repetition |+|+_+ invoke evoke circle #_#&=^ paper poetry storage machine (memory printed symbols space) ||.|_ spoken textile poet singer living animation ^..|.| electric insight action text encoded incantation &_&|| rhythm rhyme recitation circle invocation +0++_+ tape magnetic pitch sound frequency modulation |||&=^ transcription translation voyage _|..|_ a river a boatman a coin an oar ..-|.| a knapsack a shortwave radio |+||| receiver transmitter signal #_#+_+ voice frequency on / off ||

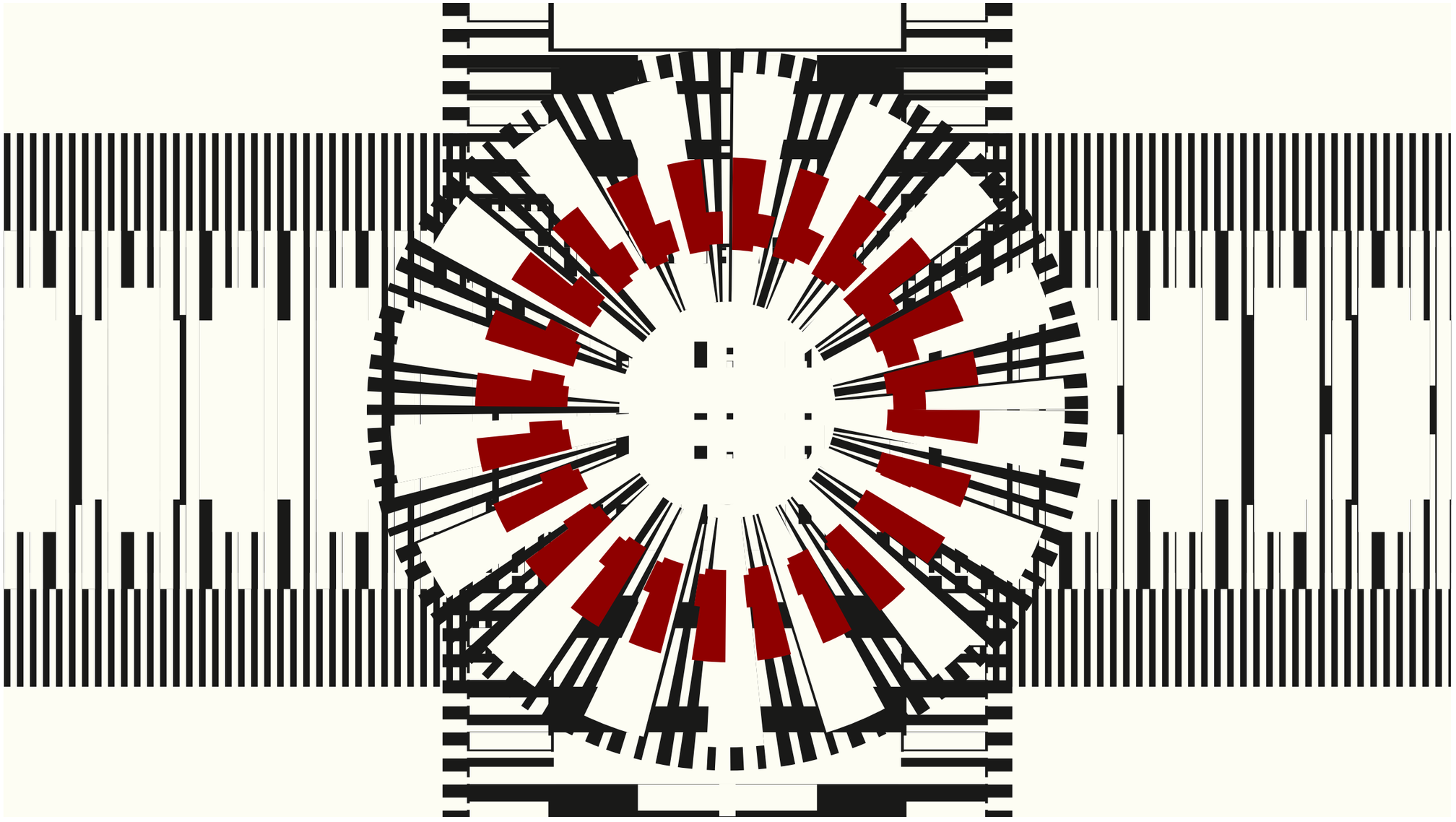
..|. pulse antenna alphabetic |..||.| graph glyph string ..-|| linear spline space |+|+_+ sequence pages spine spline #_#&=^ approximation map one route ||..|. one journey electric geo ^..|.| route road reenactment context &_&|| devoid absent world generating physical +0+_+ attention listening seeing |||&=^ gaze cross sensory skull |..|..|. skeletal memory echo machine ..-|.| pulse current blood |+||| sinew vinyl gramophone => radio #_#+_+ moment (re)creation past time ||&=^ modulation frequency ^....|. (un)synchronize the clocks &_&



the

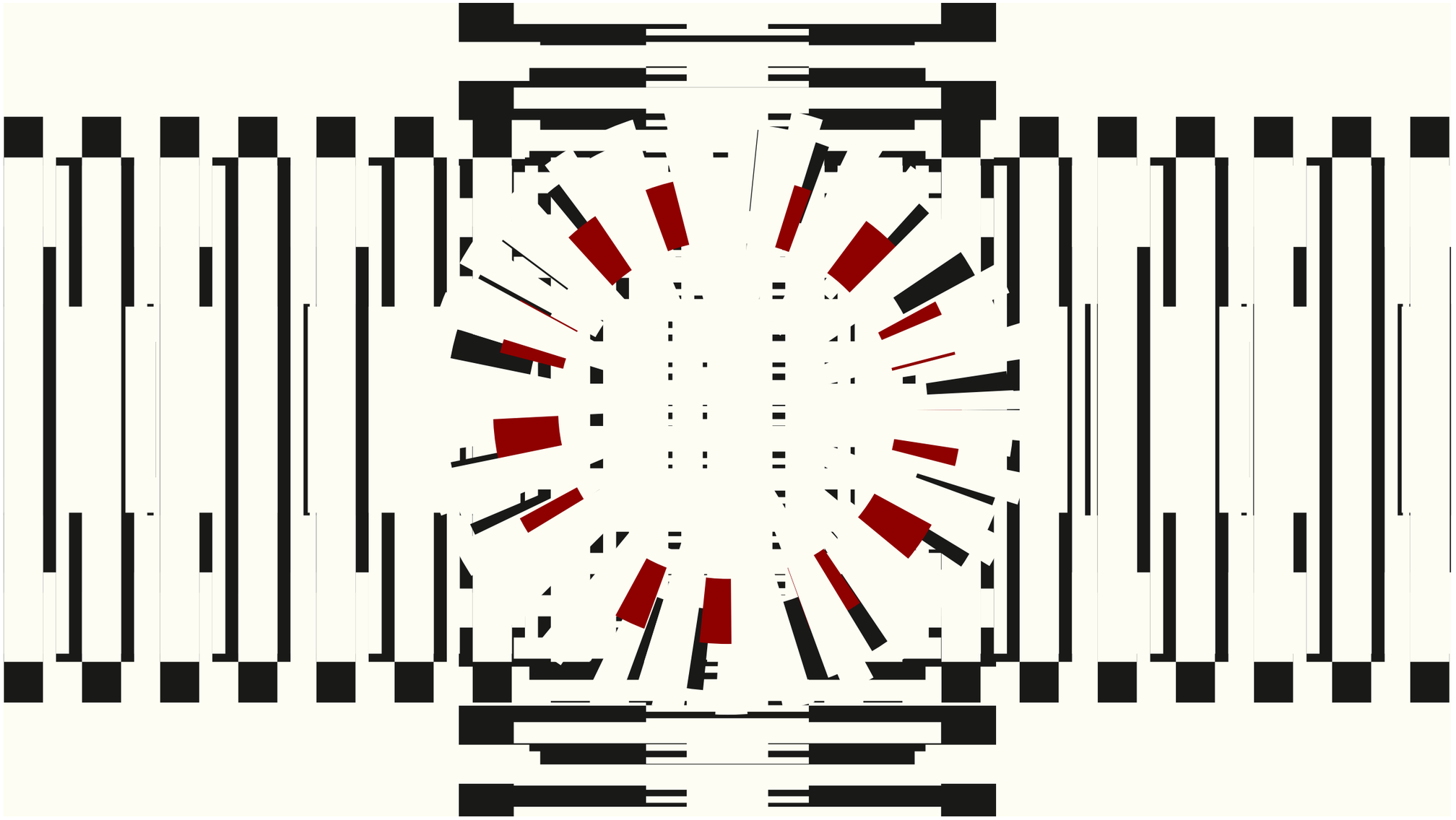
.|_ on that day that hour researcher _|.|.| lab-coat gatherer archive net bird memory ..-|| had the bird sing one last song |+|+_+ (carefully recorded) #_#&=^ after singing breathing trembling casting tonal net ||.|_ once last sweetly ^..|.| tender night remembered dawn &_&|| the bird the singer was then collected +0+++_+ marked with capture date time label stamp |||&=^ vinyl voice specimen body bones feather cell lock drawer _|..|_ more precious for its absence last glimpse species culture ..-

..|. slender threshold beat => tone (frequency wave) |..||.| particle rhythm synthesis ..-|| sea matter light |+|+_+ redfield 1958 strange ratio #_#&=^ woven fabric green & ||..|. flight ^..|.| the bird sang one last song &_&|| bird singer song +0+++_+ dated stamped labeled |||&=^ vinyl voice specimen body bones feather |..|..|. lock drawer archive ivy building room ..-



polyphony

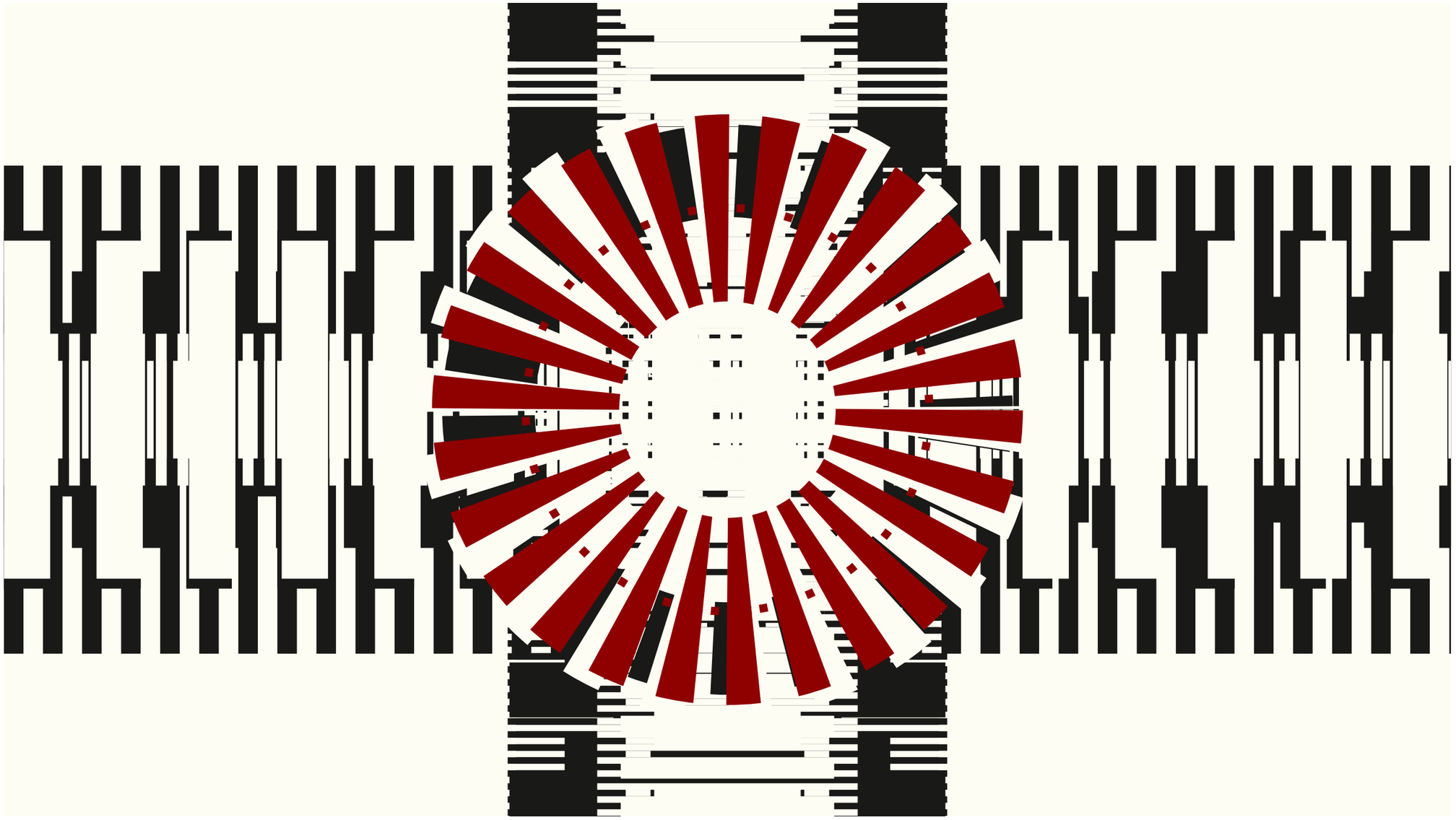
.|_ a cast back cellular recording _|.|.| etched on vinyl record number 43 ..-|| still intact the voice & windy chordal chorus meadow |+|+_+ vinyl pulsing network #_#&=^ perhaps if sent through radio wave & echo ||.|_ sound reclaimed restored restated ^..|.| ghostly sonic vapor could elicit in its hearing &_&|| a tender recitation (re)creation reclamation restoration reformation +0+_+ redemptive grass reenactment transmigration |||&=^ root-to-root transmission _|..|_ & a material transfer flux & flow equation ..-|.| formula calculation run through |+||| wrung through monte carlo iterations #_#+_+ stochastic rinse residue distillations oscillations ||&=^ chord progressions ::: rhythmic titrations ^..|_ an ideal polyphony this vital web &_&|.| (re)creation would be difficult & risky +0+



animate

.|_ breathe animate spark _|.|.| pollination proliferation mineralization ..-|| green pigment chlorophyll carbon water weaving milling spinning |+|+_+ oxygen energy light #_#&=^ moment ratio cello ratio orchestra ratio choir ratio grassland ratio ||.|_ wetland ratio ocean redfield ratio broken stick vibrating string ^..|.| eigenvalues slanted towards instability collisional cycling &_&|| lack of continuance certain chaos +0+_+ queer nonlinear signal skewed |||&=^ bent _|.

..|. incompatible not computable indecipherable inscrutable |..||.| interval of change flux charge exchange transition evolution dynamics ..-|| flow bifurcations unbound untied |+|+_+ sudden cloud break asymptotic stable stillness center #_#&=^ an orbit a continuance a vector field exuberance ||..|. neon vibration computation geologic carbon spilled across the sea ^..|.| deep beneath the surface roots shredded ancient bones past sink store archive lock &_&|| zero hero carbon sink pivot tangent steady drop +0+

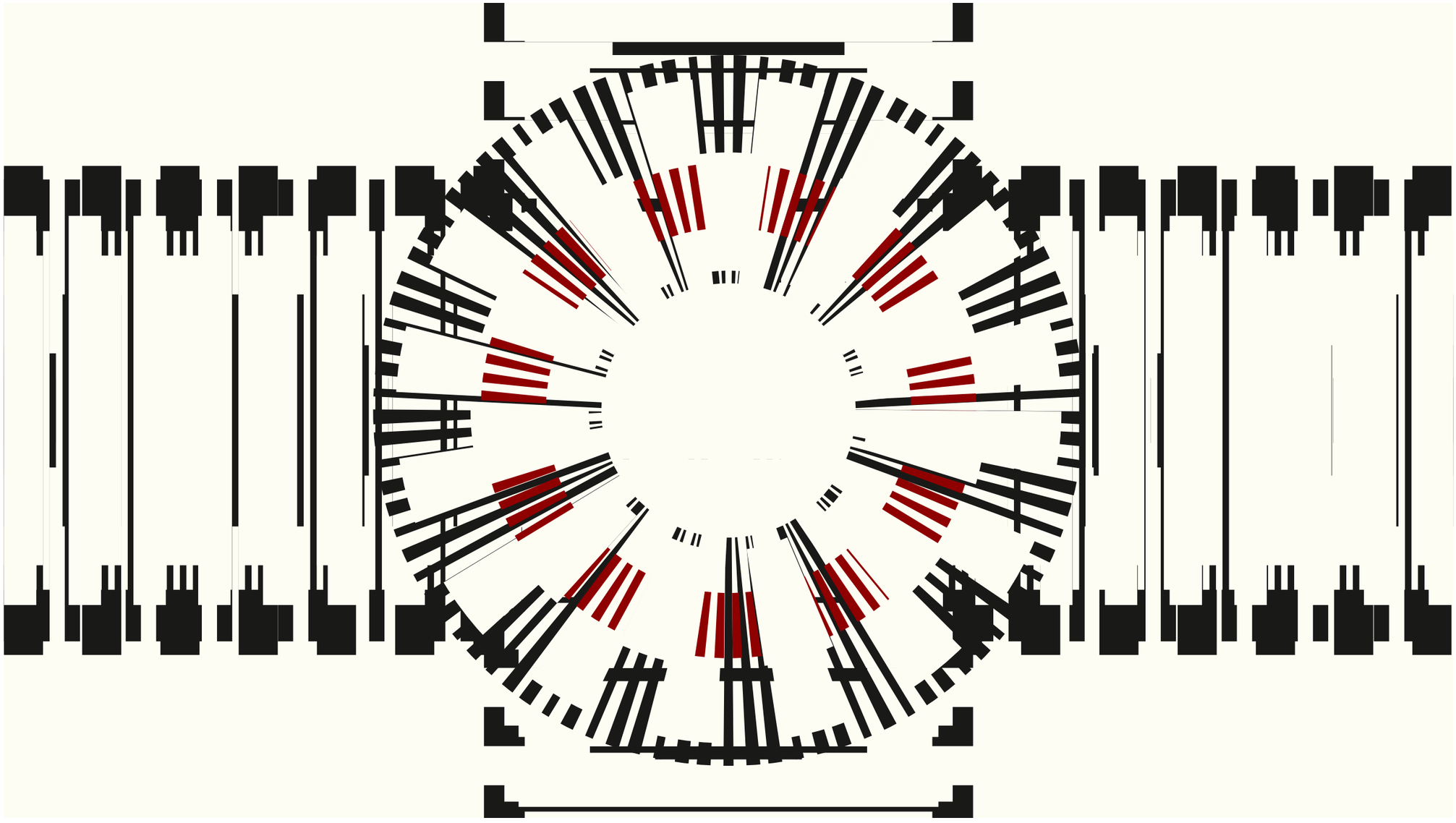


repairman

.|_ the repairman rider passenger lone bird _|.

..|. grass blade dyke (our hero zero rider ze) |..|

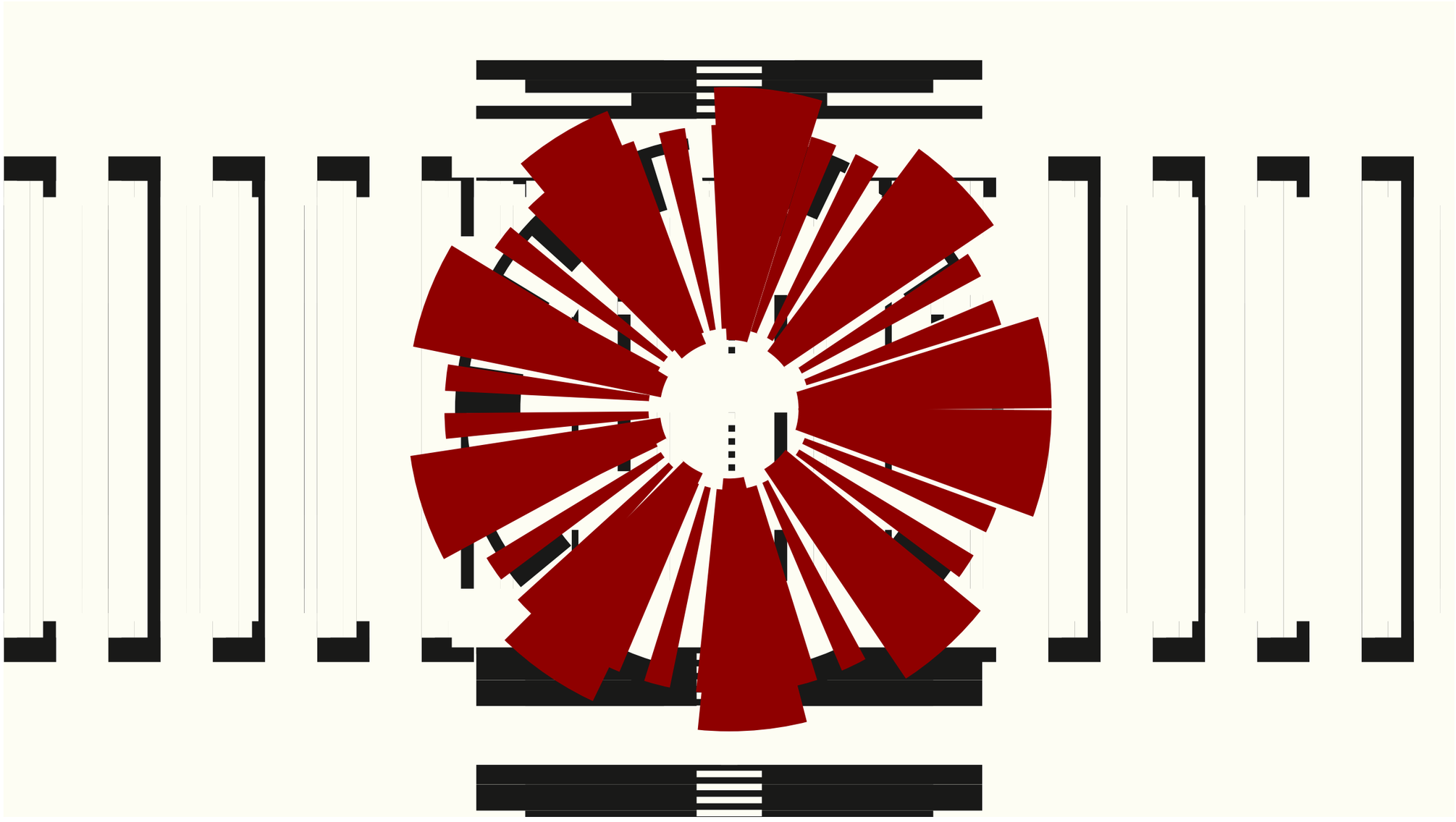
.|_ left the throng of city depot _|.|.| arrived alone worn suitcase sandwich lukewarm coffee thermos ..-|| tepid brown liquid greasy paper |+|+_+ rusted texaco station folded map #_#&=^ urgent mission ||.|_ fix the system ^..|.| repair reclaim rebuild reweave restore &_&|| this prairie meadow sequestration +0+



chorus

.|_ downward glance creased map marked path _|.|.| radio research building institute ..-|| factory platform station |+|+_+ slant rusty hinge door sunlight #_#&=^ spider housings metal glint antenna ||.|_ vines static deep dark corner silence ^..|.| vinyl recordings specimen drawers &_&|| faded paper census sketchpad marks +0++_+ lost language fallen angels |||&=^ frozen role enactments _|..|_ jukebox score ..-|.| piano rolls |+||| silent tattered scripts #_#

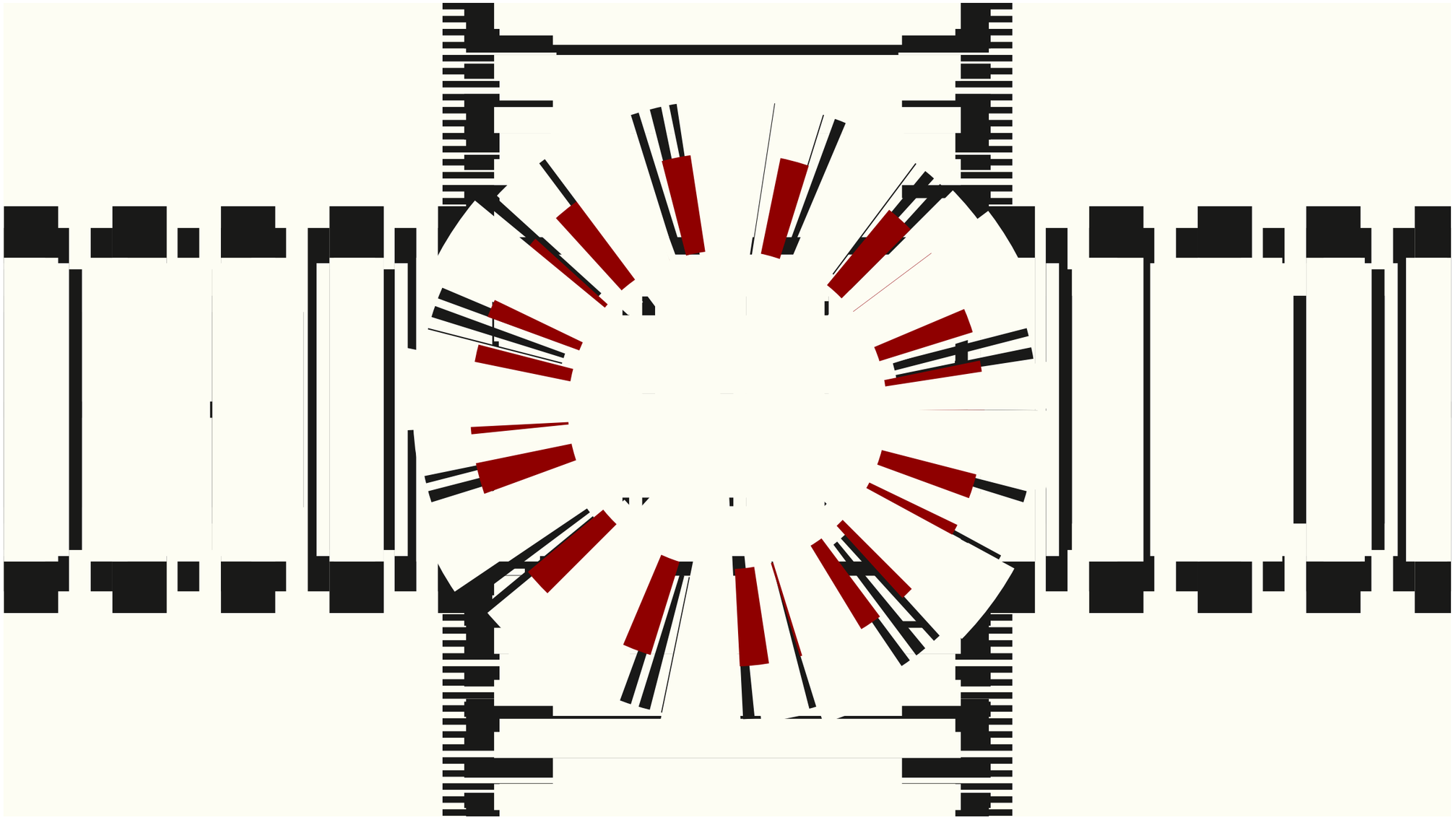
..|. stored inside this moss bound station |..||.| critical to the mission ..-|| notes numbers data |+|+_+ handbook manual translation codes #_#&=^ recorded ghost grass chorus ||..|. dried pressed limbs reed blade stem seed ^..|.| circuit diagram equations &_&



too-long

.|_ cell number table _|.|.| column thicket ..-|| stream set row |+|+_+ coordinates paths city streets #_#&=^ asphalt chess board too-long fair ||.|_ halogen labyrinth playing cards ^..|.| row boat row red turnstile coins &_&|| subway memory map +0+

..|. the problem of sparse matrices |..||.| absence ..-|| not known |+|+_+ not values #_#&=^ not join ||..|. not tied ^..|.| not said &_&|| empty cells +0+|+_+ blank hole gap |||&=^ knot record |..|..|. not knot ..-|.| forget forgot |+||| never known #_#+_+ not filled ||&=^ not asked ^....|. erase erasure &_&|.| not zero not silence +0+|| a lack of air |||+_+ a lack of mark |..|&=^ missing value(s) ..-..|. something stolen |+||.| not revealed not found #_#|| not thought of not dreamed of ||+_+ not imagined ^..&=^ not lost &_&..|. not lonely +0+|.| not a huge hole in the |||| sky |..|



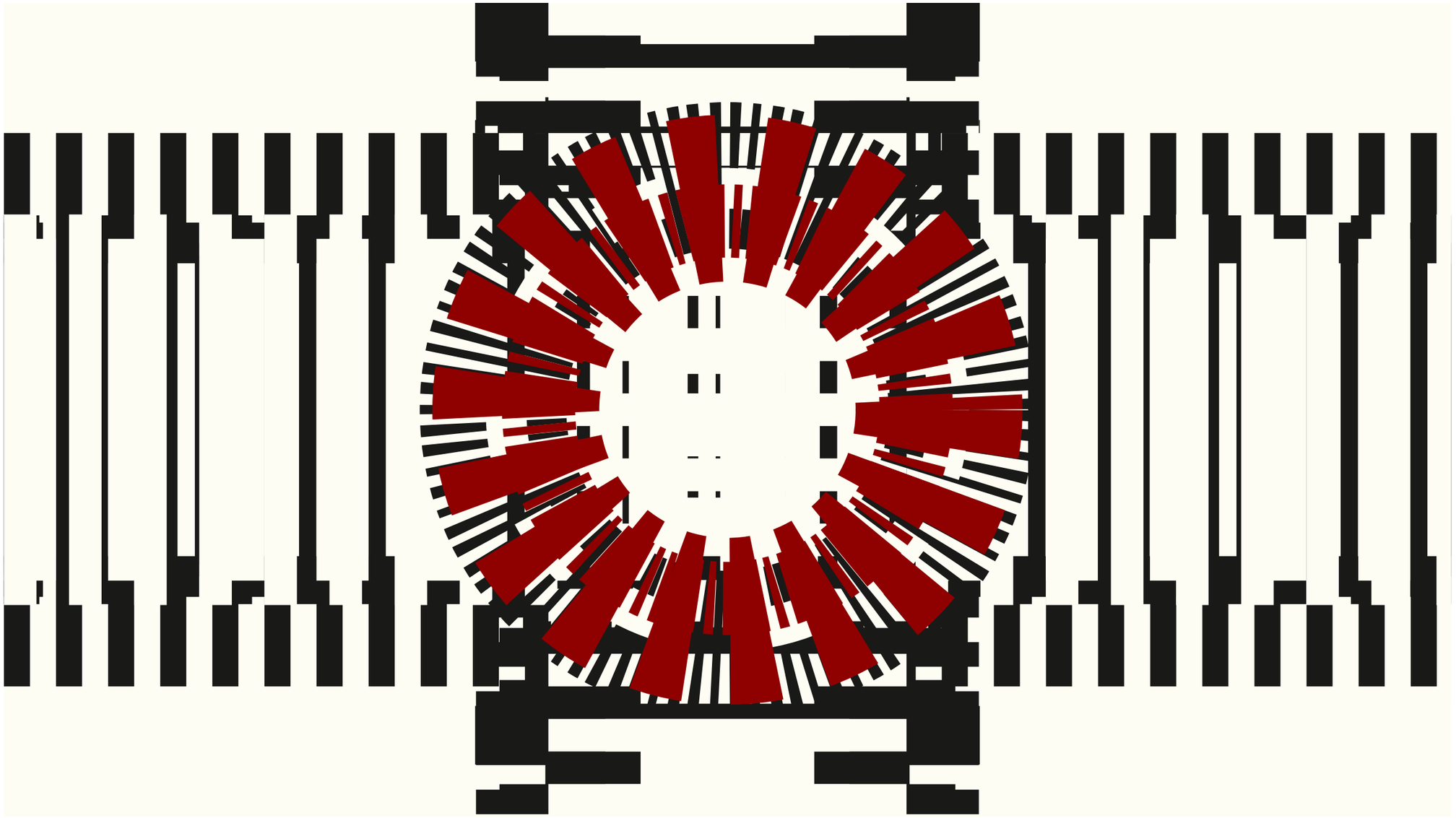
path

.|_ lexicon of relations _|.|.| linguistics language ..-|| shifting drawer |+|+_+ predicate proclaim declare affirm assert #_#&=^ text stream interface ||.|_ pipeline filter map fold ^..|.| density of links &_&|| connectance metrics +0+*_+ flows & form |||&=^ web network branch tree graph _|..|_ extensible modular composable construction ..-|.| shape shifting flow emergence change |+|

..|. infinite series |..||.| calculus of motion calculus of change ..-|| physics of angles angels |+|+_+ sound waves light #_#&=^ inflection reflection ||..|. convergence to fixed point orbit loop or cycle ^..|.| convergence to zero &_&|| absence silent slope abyss +0+*_+ shape shifting flow emergence change |||

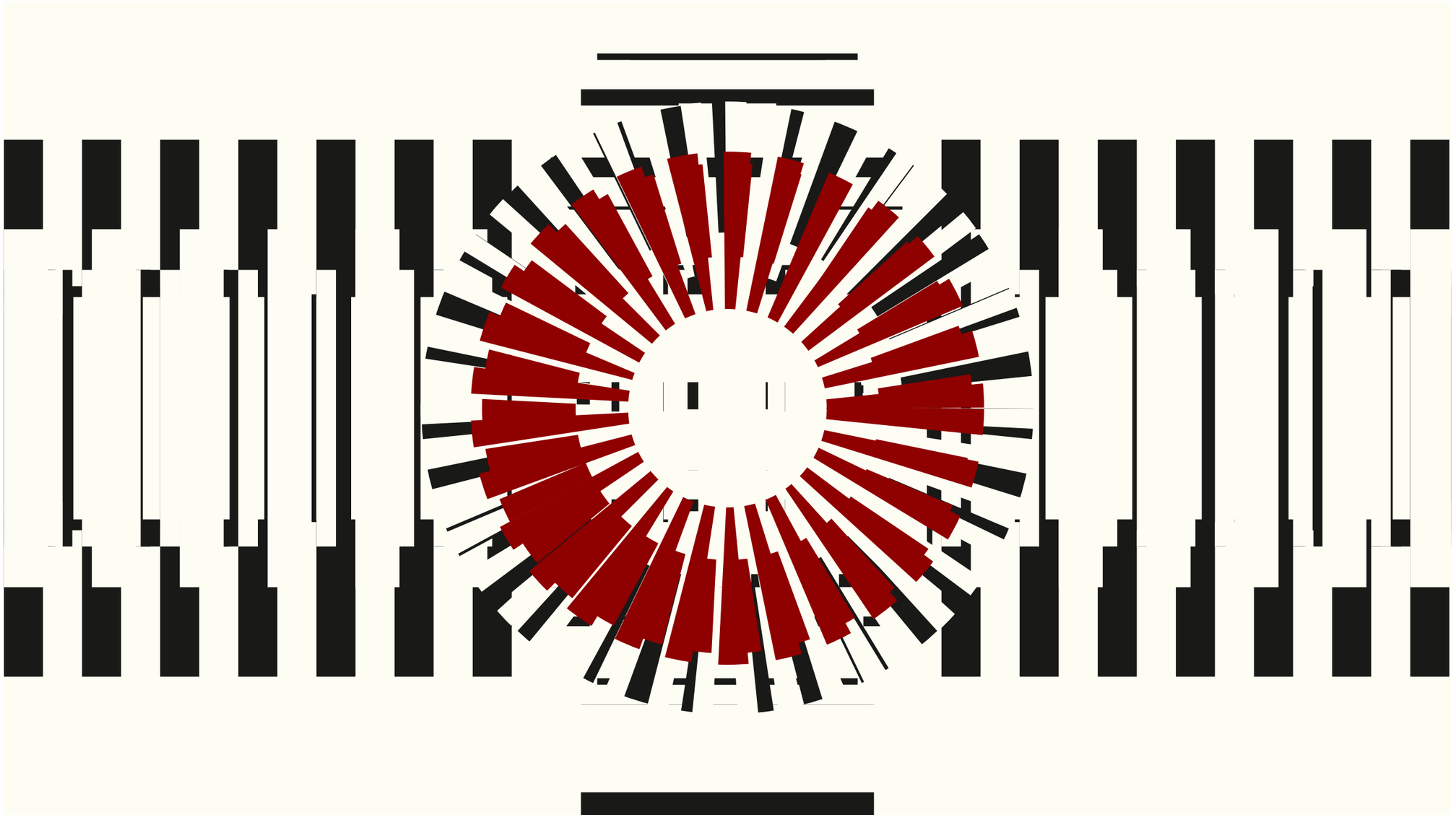
.|_ associative trail path spline index jump _|.|.| graph traversal heat diffusion fluid flow ..-|| night mail railway saturn sky |+|+_+ shape shifting flow emergence change #_#

..|. semantic nets systems frames rules |..||.| automated reasoning engines ..-|| ontologies schemas |+|+_+ inference machines #_#&=^ classifiers theorem provers ||..|. maps ^..



window

```
.|_ microscope observatory tiny vial _|.|.| tiny xylophone tiny ribcage ..-

..|. tube => transistor cathode ray tube |..||.| raster digital pixel knowing ..-||
language drawing vector contour lost |+|

.|_ cloud of pixels probabilities clump densities likelihood noise _|.|.| boltzmann
entropy analogue encoded signal computation ..-|| digit swarm translation |+|

..|. literature science novel science poetry science |..||.| narrative past text
pollination ..-|| picture science syntax metaphor diagram |+|+_+ divine static
steady state #_#&=^ mythic science ||..|. evolving ever changeful circle science
^..|.| taut self-organizing orbit science &_&|| geometric atmospheric light nitrogen
+0+++_+ nutrient profile adaptation |||&=^ mineral light weather water |..|..|. vial
drop science ..-|.| torn curtain broken window chaos science |+|
```



every

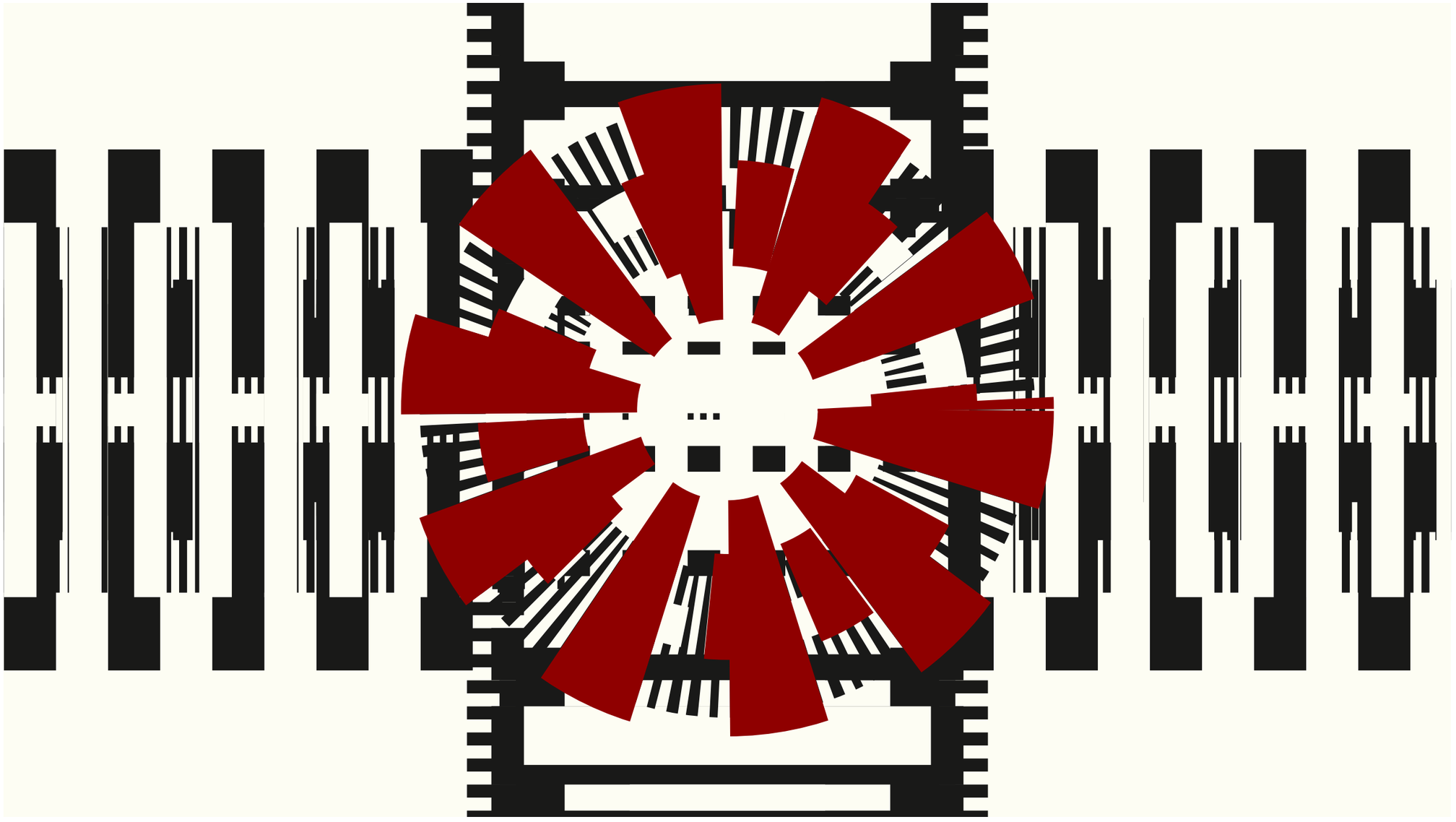
.|_ solitude _|.|.| not silence ..-|| every morning |+|+_+ heat rises #_#&=^ in this ||.|_ basin ^..|.| these bones &_&

..|. polar landscapes |..||.| melt ..-|| colonists of wind |+|+_+ dust storms #_#&=^ settle the globe ||

.|_ no rain _|.|.| longing ..-|| thirst |+|+_+ drought #_#&=^ it was like this ||.|_ every morning ^..

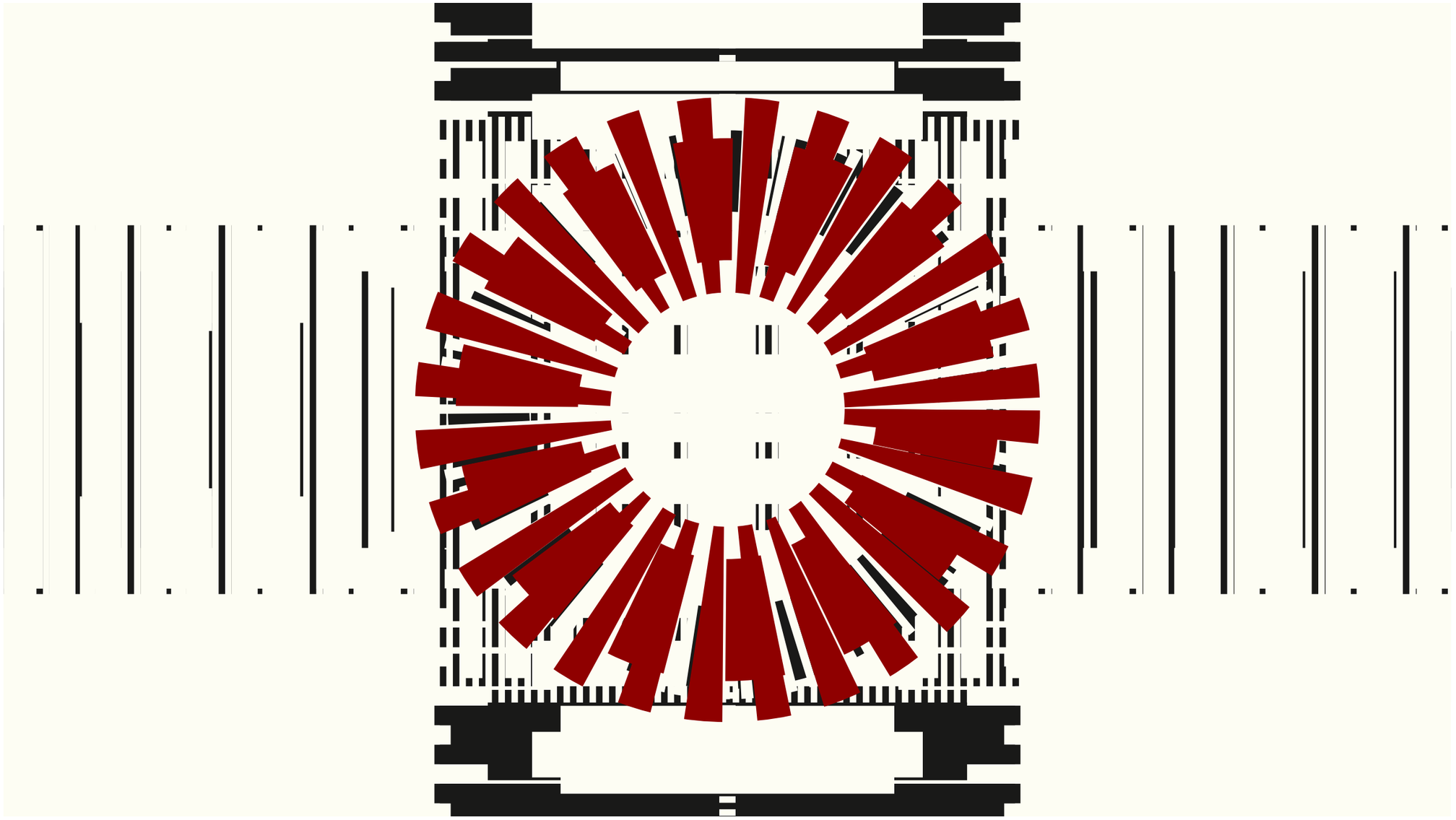
..|. watering can |..||.| metallic echo ..-|| pale green |+|+_+ drip #_#

.|_ industry! _|.|.| empty hands ..-|| vacant skull |+|



passenger

```
.|_ this was the morning this was the place _|.

..|. repairman rider passenger lone bird |..||.| grass blade dyke (our hero zero
rider ze) ..-|| arrived on platform wasteland meadow track |+|+_+ worn suitcase
sandwich #_#&=^ tepid brown liquid thermos ||..|. creased map ^..|.| compass light
&_&|| lucky strike +0+ +_+ hat axle pocket knife |||&=^ coins for the boatman
|..|..|. steam engine captain ..-|.| singer all aboard |+||| ticket agent paper
#_#+_+ tin cup beggar thief ||
```



steam

.|_ this was the morning this was the place _|.

..|. repairman rider passenger lone bird |..||.| grass blade dyke (our hero zero rider ze) ..-|| arrived on platform wasteland meadow track |+|+_+ worn suitcase sandwich #_#&=^ tepid brown liquid thermos ||..|. creased map ^..|.| compass light &_&|| lucky strike +0+*_+ hat axle pocket knife |||&=^ coins for the boatman |..|..|. steam engine captain ..-|.| singer all aboard |+||| ticket agent paper #_#+_+ tin cup beggar thief ||

flux

.|_ stitch _|.|.| carbon cycle ..-|| back |+|+_+ intact #_#&=^ structure function
||.|_ sink & source ^..|.| sink & source &_&

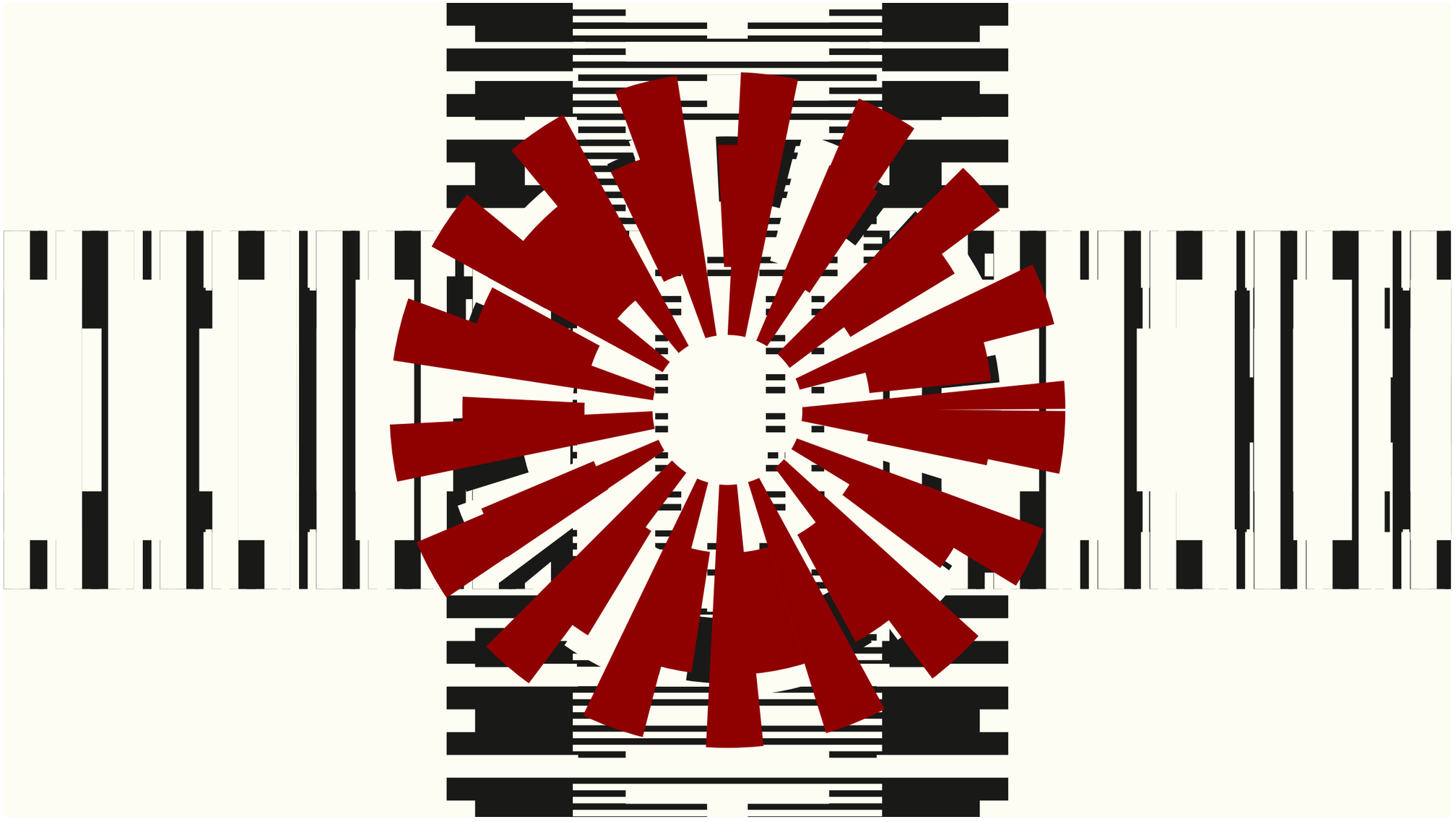
..|. theory of null values |..||.| problem of null values ..-|| hollow sound |+|+_+
sparse matrix #_#&=^ initial conditions external ||..|. parameters landscape weather
^..|.| bee flower pollen lit pollen wings &_&

.|_ parts of speech sets thought _|.|.| categories cages ..-|| language archive
(memory tables data pollen noise) |+|+_+ quest voyage counting #_#&=^ physics web
grassland sea net trophic ties traveler ||.|_ gears ^..|.| repair(*) rider lone bird
&_&|| grass blade dyke (our hero zero rider ze) +0+_+ illuminate restore resurrect
reweave rebreathe |||&=^ trophic chain ecosystem length & breadth harmonic series
_|..|_ swings & orbits ..-|.| collapse & chaos |+||| dynamic state constant flux
#_#+_+ climate nutrient cycling community structures evolution ||

..|. no time now time soon time |..|

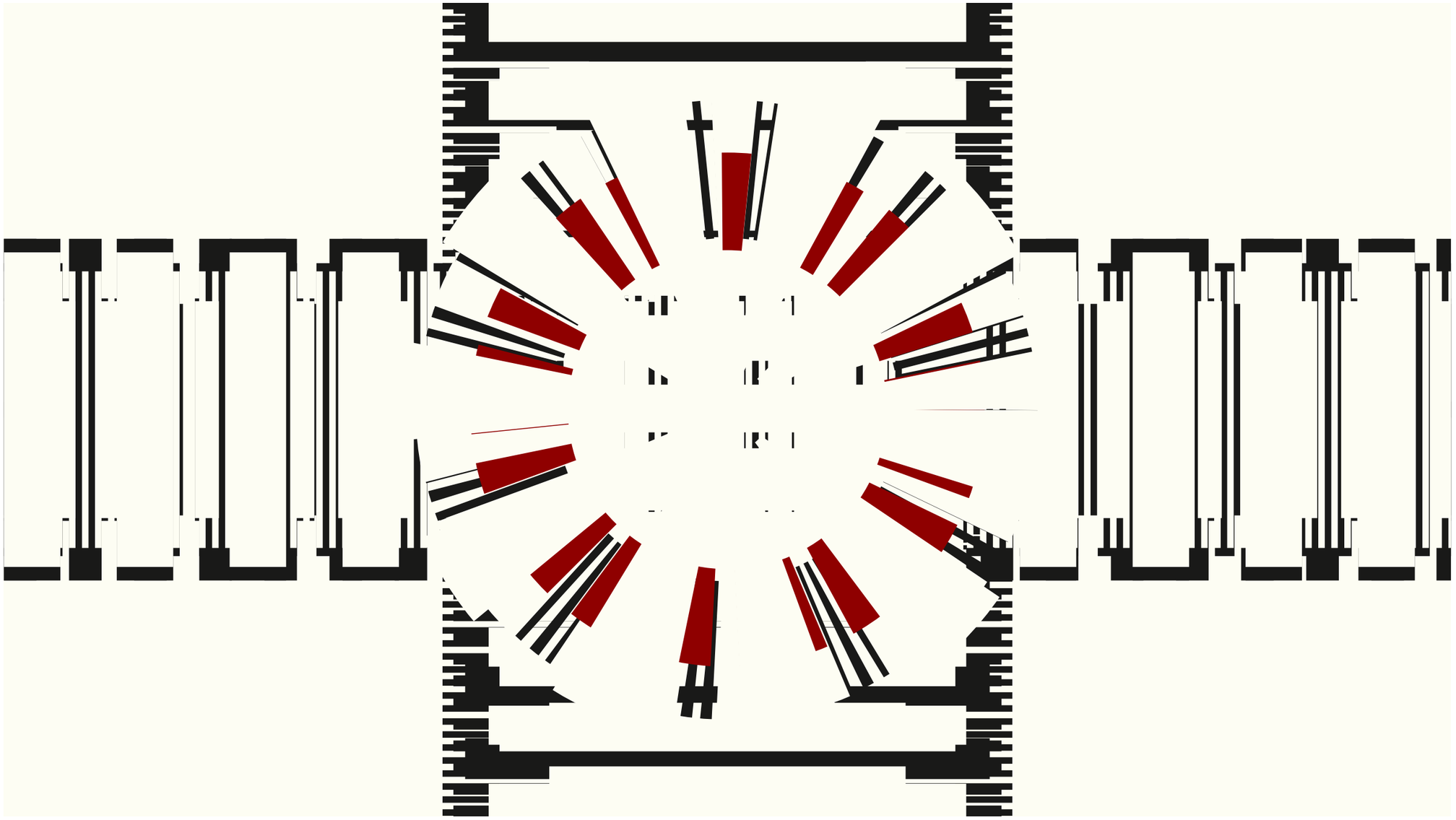
alley

```
.|_ watches for sale _|.|.| circus hawker ..-|| projected image alley |+|+_+ film
alley lamp #_#&=^ shadow night ink ||.|_ pool found object ^..|.| theater company
sound &_&|| foundry sound factory +0+*_+ new polyphony alienation |||&=^
intersections junctions _|..|_ friction resolution ..-|.| chords ropes sails |+|

..|. layers maps transects |..||.| routes destinations ..-|| vectors fields pixel
web join caught number cells facts |+|+_+ dense matrix #_#&=^ sparse sky ||
```



absence

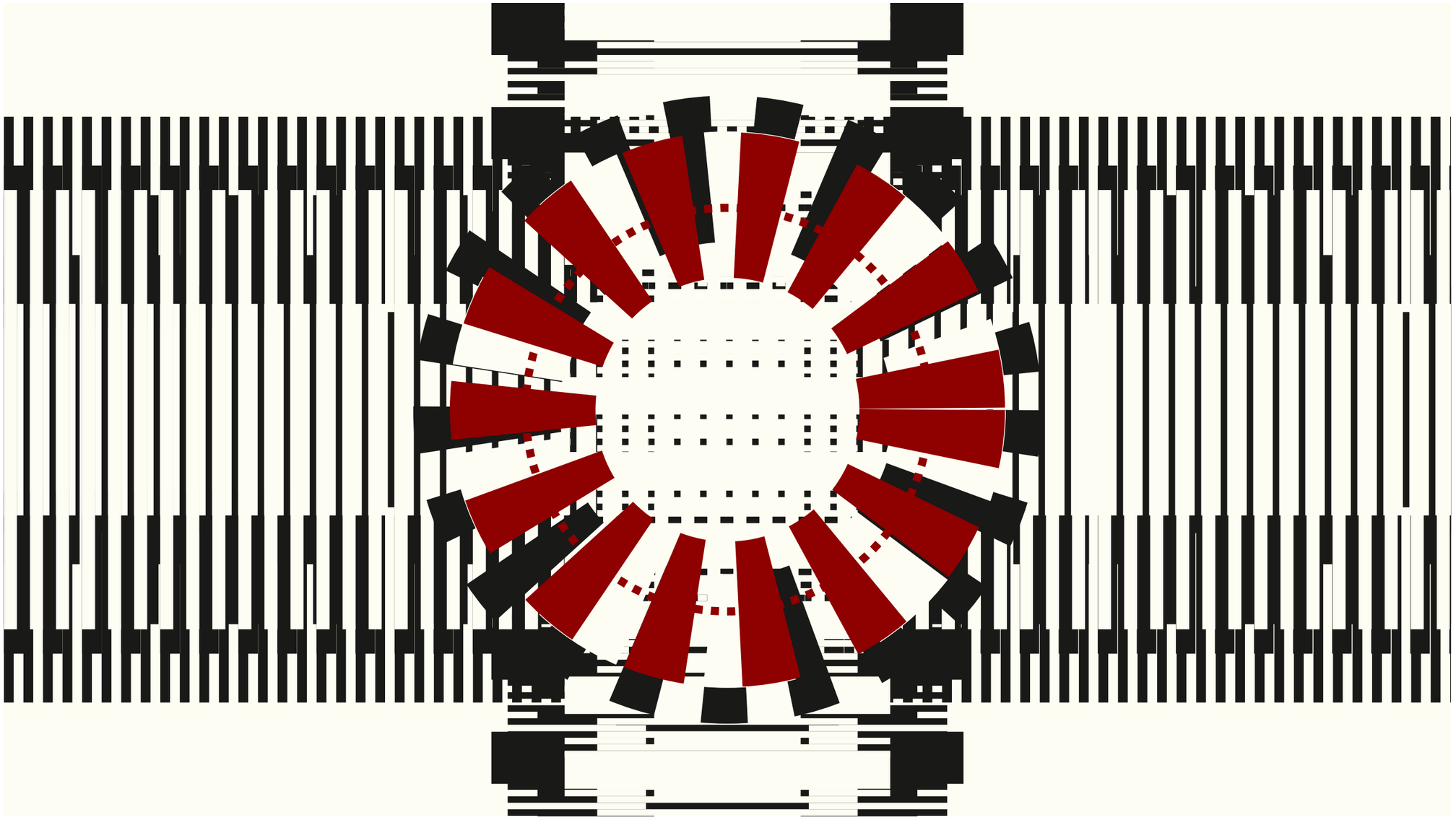
```
.|_ fire ash carbon gone _|.|.| nothing none empty not ..-|| theory of null numbers
|+|+_+ vacant absent zero space #_#

..|. theory of sparse matrix |..||.| an absence ..-|| exponential decline |+|+_+
crash . #_#

.|_ holes in the matrix _|.|.| gap(s) ... ..-|| column row |+|+_+ moth hole black
hole #_#&=^ space silence fact ||

..|. theory of null values |..||.| silence of null values ..-|| neon vacant blinking
light |+|+_+ empty storm-drain alley #_#
```



work

.|_ honored listeners present & absent today (yesterday) _|.|.| honored receivers future reception ..-|| audion circuit |+|+_+ grid-leak detector diode || grid => cathode #_#&=^ regenerative form ||.|_ telephony radio talking newspaper ^..|.| text => speech => signals => waves => recording => radiation => distillation &_&|| electrons through a vacuum wireless body-less +0+|+_+ space without a filament without a spark without a fire |||&=^ morse code => speech => music => flight _|..|_ thermionic emission liberation ..-|.| electrode release electron temperature (heat => leap) |+||| thermal energy => charge carrier material work function catapult trapeze #_#+_+ electromagnetic waves through a gap => light ||&=^ electromagnetic fields are a filament not a plow ^...|_ radio frequency identification of goods &_&|.| markers of heat of movement +0+

..|. supermarket radio |..||.| carbon isotope detection trophic code ..-|| visceral magnetic gravity pulse |+|+_+ arterial electrical currents light #_#&=^ static noise ||..|. the message ^..|.| metal surface heat &_&|| thermoelastic bend & flow +0+|+_+ ions eons millennia |||&=^ vinyl disk |..|..|. labeled iron shelf ..-|.| dustlit volume |+||| dancehall volume #_#+_+ phonograph telegraph ||&=^ braille ^....|. spinner &_&|.| feedback +0+



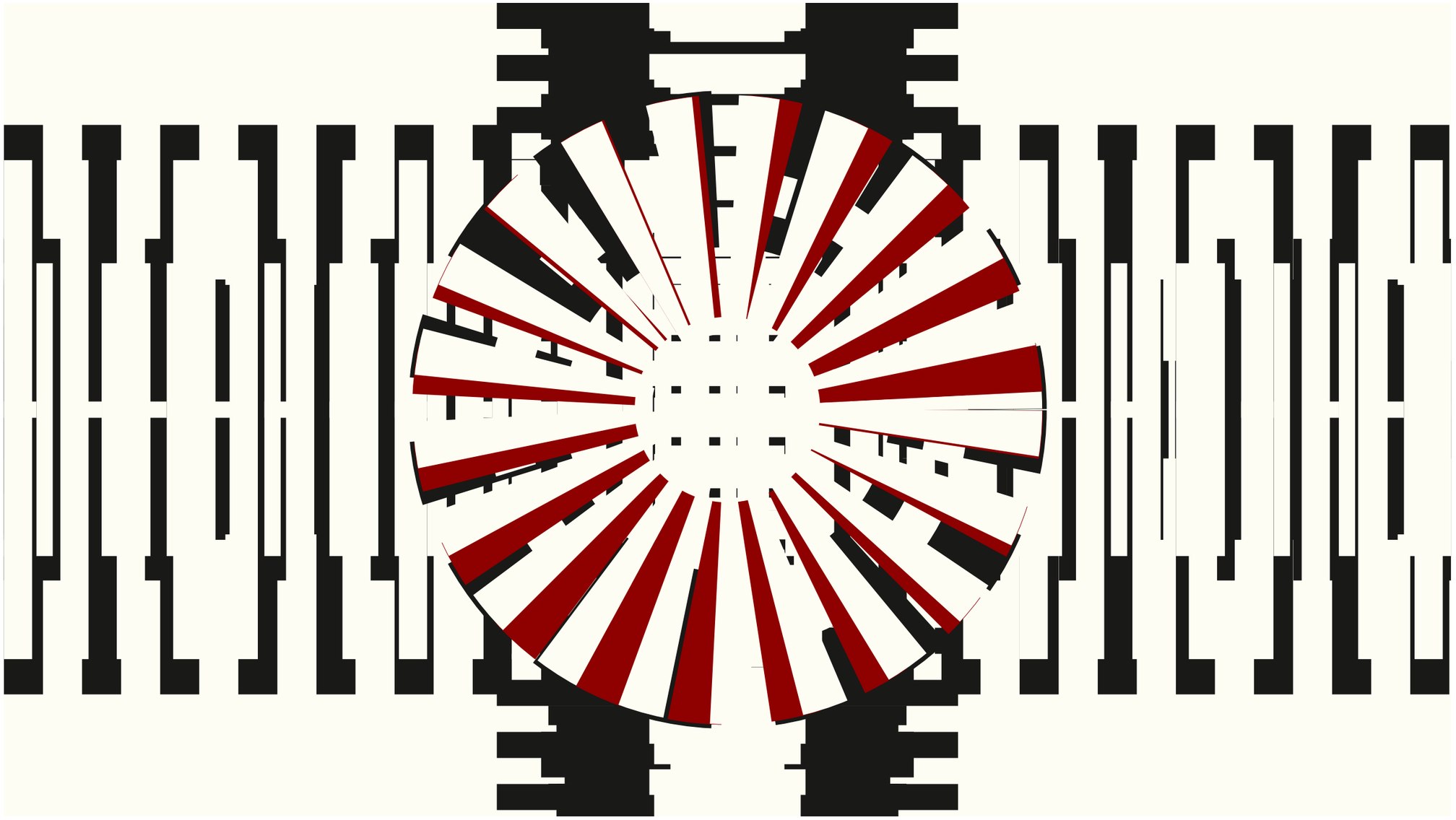
&

.|_ dusty _|.|.| dry ..-|| road |+|+_+ repairman rider passenger lone bird #_#&=^ grass blade dyke (our hero zero rider ze) ||.|_ parched ^..|.| to deep well &_&|| poured +0+_+ vessel |||&=^ curved heaven _|..|_ layers walked ..-|.| blocks & blocks miles & miles |+||| grid traversals railroad shortcuts faster more #_#+_+ pause nap fuel sandwich coffee shelter onward ||&=^ restless random walk ^..

..|. repairman rider passenger lone bird |..||.| grass blade dyke (our hero zero rider ze) ..-|| arrived on platform wasteland meadow track |+|+_+ suitcase sandwich coffee thermos #_#&=^ tepid brown liquid greasy paper ||..|. folded map ^..|.| worn matchbook &_&|| lucky strike +0+

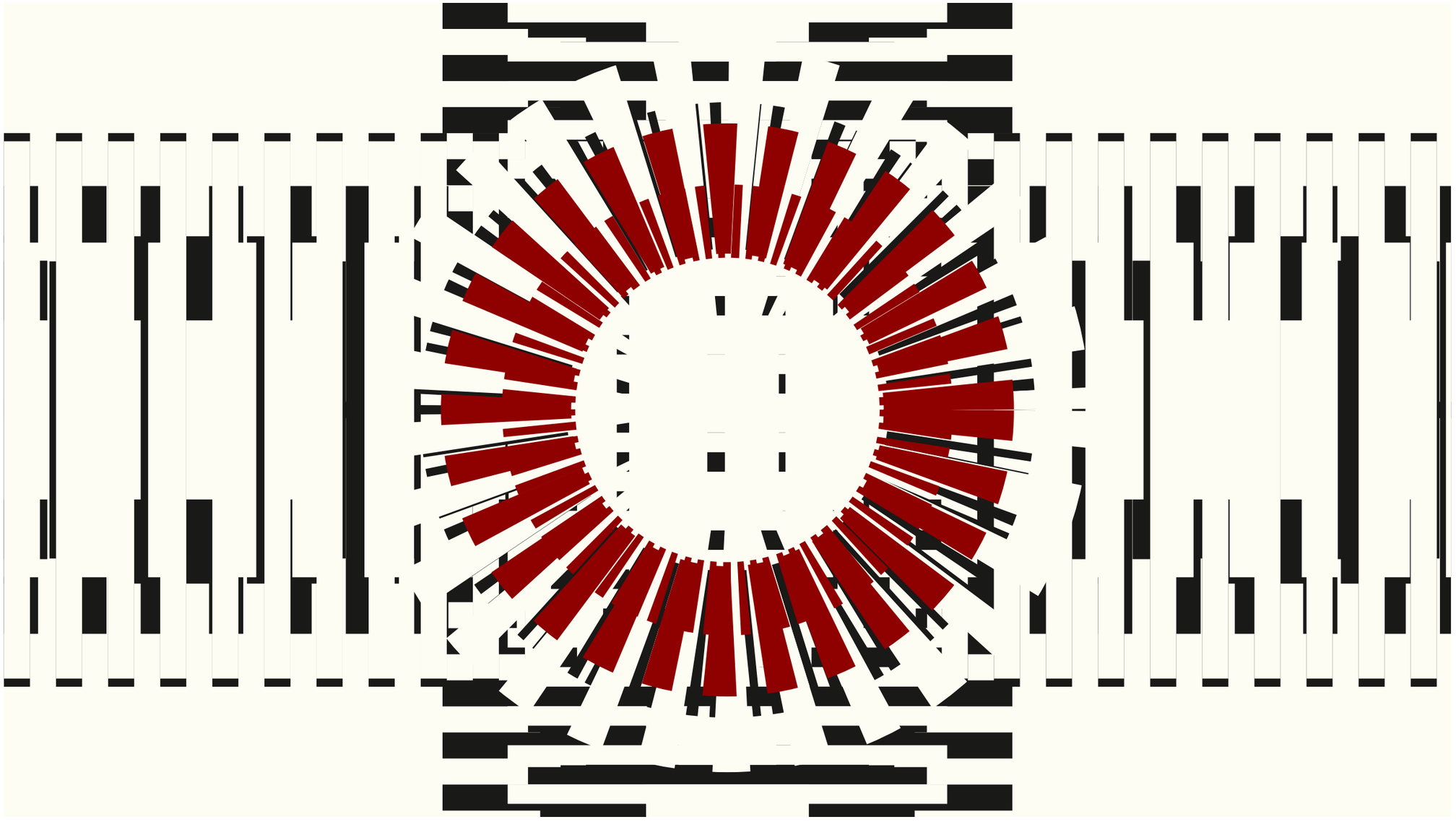
.|_ illumination recitation number sequence radio station _|.|.| urgent message scrawled location ..-

..|. this was the day the time the place |..||.| last chance prairie recitation reclamation ..-|| stop the gears bend the tide |+|+_+ stitch mend reweave restore rewind #_#



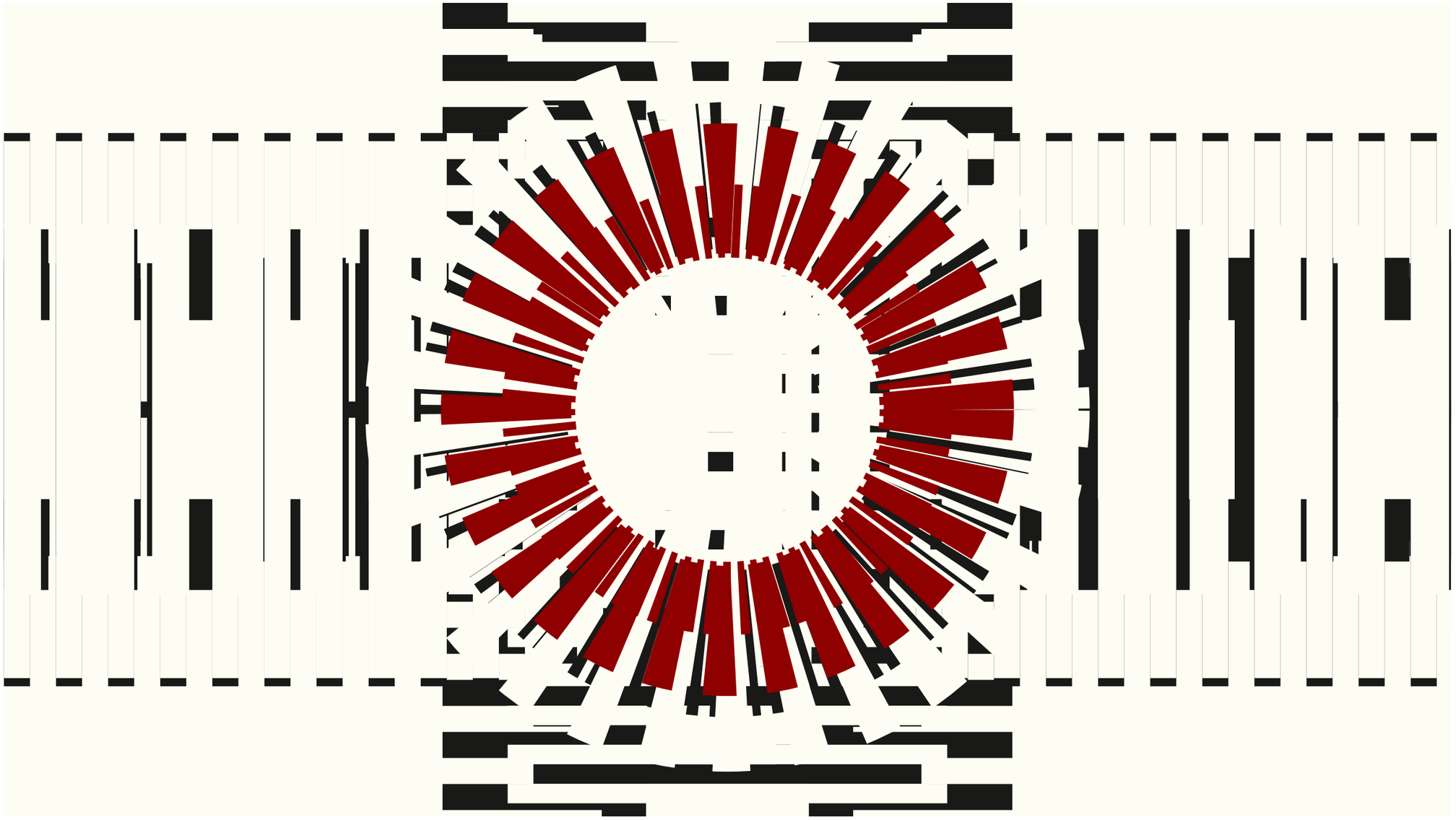
resilience

.|_ repairman rider passenger lone bird _|.|.| grass blade dyke (our hero zero rider ze) ..-|| reviewed the course the notes the goal |+|+_+ clock cycle nutrient cycling handbook codes #_#&=^ algorithms generative recipes diagrams flow probabilities coupled difference equations score ||.|_ recorder of all things pigeon stone database journal records catalogue ^..|.| ordered voices trophic chain biome web ::: a cycle &_&|| the goal to roll back first conditions +0+_+ frames loom gears tangled strands |||&=^ particles iron flint filing receivers long echo curvatures orbits _|..|_ compass paths elliptical earth lines sky threads hertzian waves ..-|.| maxwell electromagnetic radiation spark gap transmission signal smoke |+||| moth-wing chaos cyclone silence thermal currents prairie noise #_#+_+ stochastic resilience robust fractionated adaptable evolving noise ||&=^ particles beats rhythms frequencies dissonant resplendent symphony ^...|_ verdant song radar language rubbed wings &_&|.| quickening pulse through stalk & reed +0+



sonic

.|_ a cast back cellular recording _|.|.| etched on vinyl record number 43 ..-|| still intact the voice & windy chordal chorus meadow |+|+_+ vinyl pulsing network #_#&=^ perhaps if sent through radio wave & echo ||.|_ sound reclaimed restored restated ^..|.| ghostly sonic vapor could elicit in its hearing &_&|| a tender recitation (re)creation reclamation restoration reformation +0+_+ redemptive grass reenactment transmigration |||&=^ root-to-root transmission _|..|_ & a material transfer flux & flow equation ..-|.| formula calculation run through |+||| wrung through monte carlo iterations #_#+_+ stochastic rinse residue distillations oscillations ||&=^ chord progressions ::: rhythmic titrations ^...|_ an ideal polyphony this vital web &_&|.| (re)creation would be difficult & risky +0+

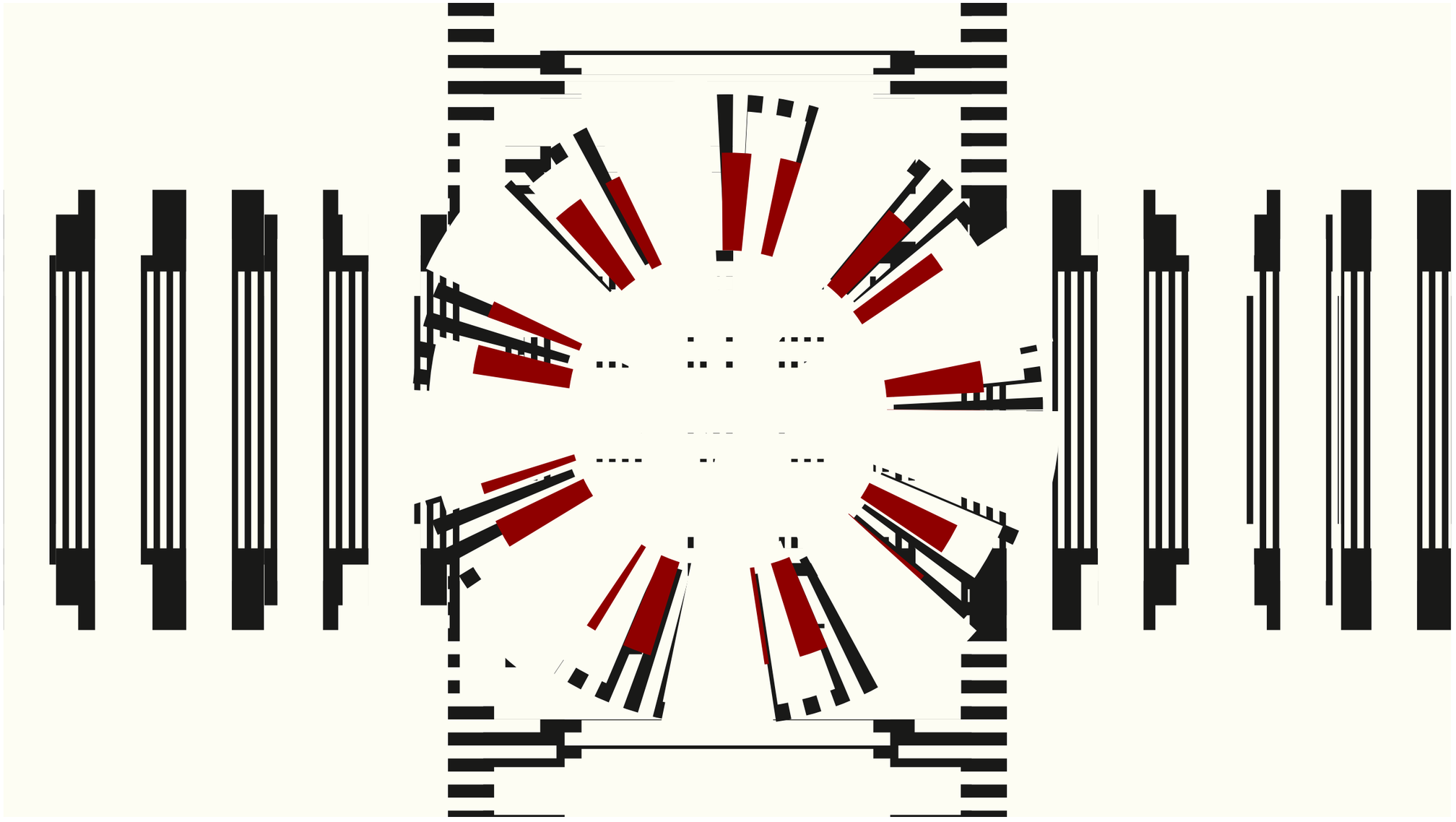


force

.|_ electric magnet migrate translate _|.|.| hero zero suitcase clock map train nomad ..-|| boat bird data airbase data cube data curved space |+|+_+ prism lattice fabric timestamp schema graph #_#&=^ reify untie unfold unroll ||.|_ electric orbit ghost force ether spark ^..|.| specimen drawer weather static wind-blown number station &_&|| solar noise cloud formation storm titration wireless smoke-filled sky +0+

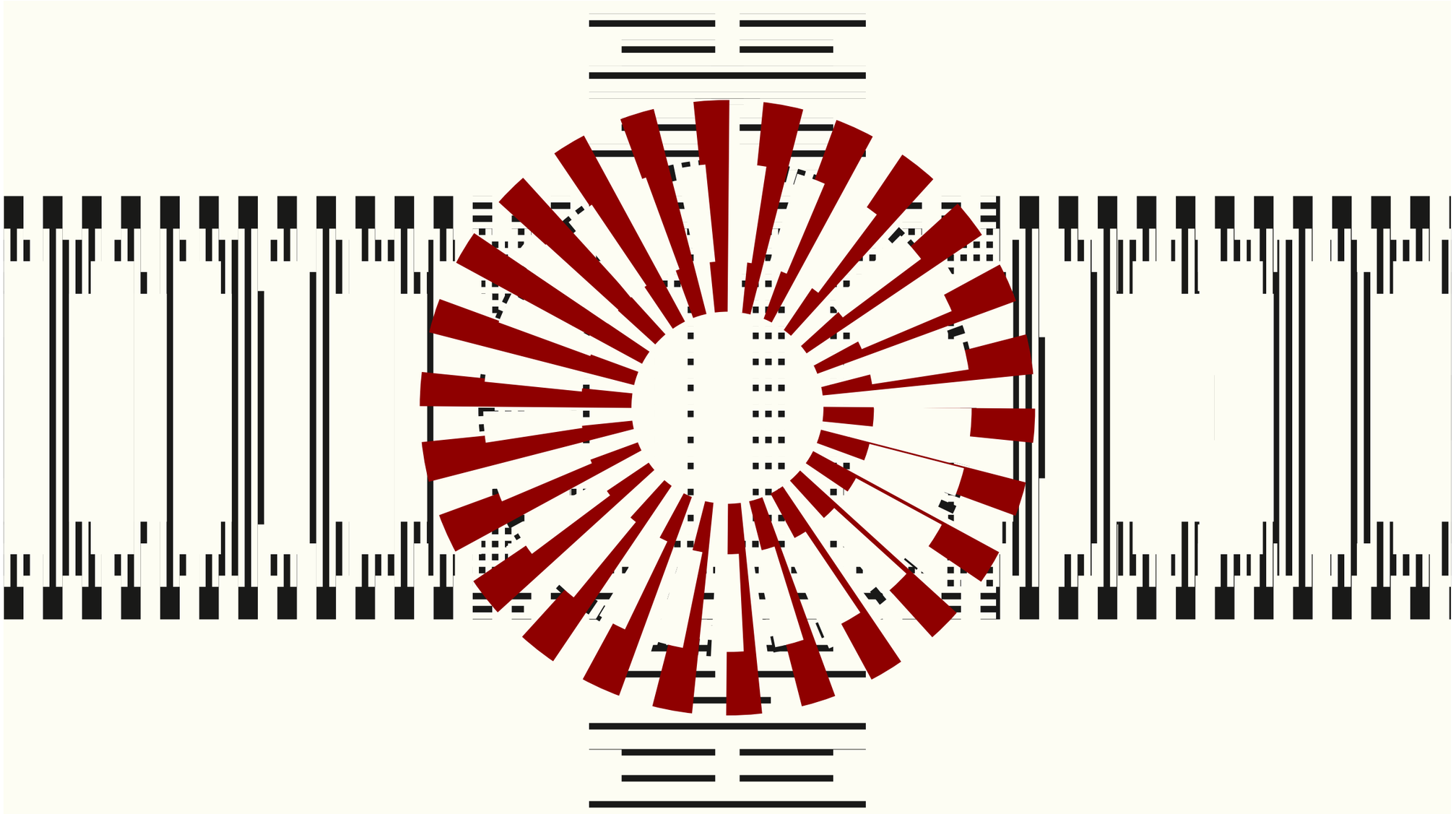
..|. broke ground broke thatch broke net broke flow |..||.| telegraph rhizome circuit network junction ..-|| flag siren point nutrient carbon tangle |+|+_+ broke ratio physics orbit fixed-point evolution #_#&=^ clue drawer box film parchment vinyl ||..|. blood feather stalk beak grass root ^..|.| paper stamp store mark transect photo record image cell &_&|| before axe pick shovel hoe oxen plow +0+|+_+ before hard ground was broken |||&=^ still woven yellow green ticker |..|..|. tape pulsed code transmission ..-|.| echo vacuum tube transistor |+||| circuit still electrified #_#+_+ & living ||

.|_ ignite ! _|.



deep

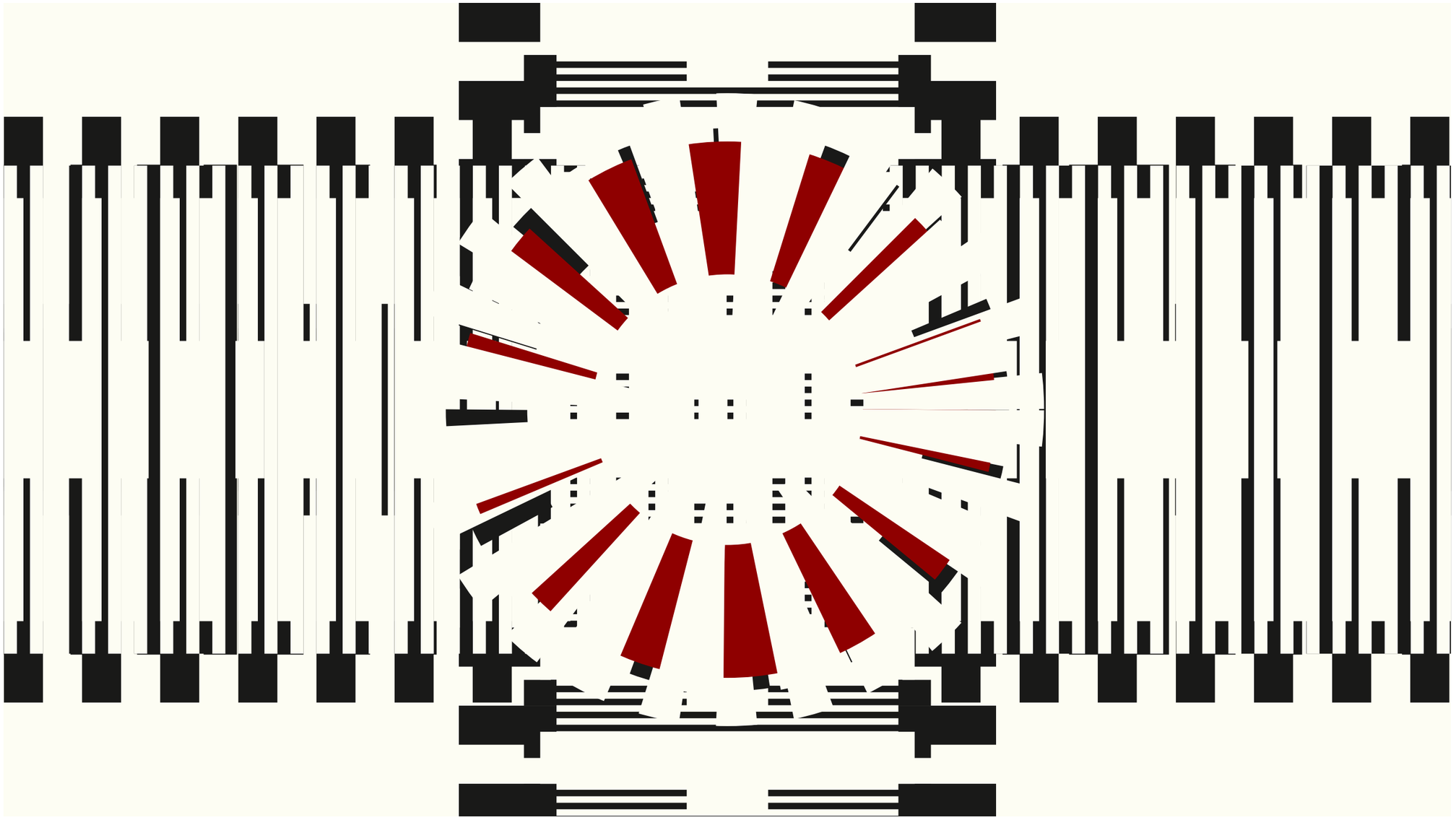
.|_ late summer day dusty strands of light _|.|.| taut against the very ether of air & day ..-|| particles stretched into waves cast from far away |+|+_+ circle orb fire dusty filaments tied against #_#&=^ strong limbs drawn nets from sky they pulled ||.|_ muscled down & in these nets these baskets they ^..|.| (the wiry reaching stalks) gathered invisible dinosaurs &_&|| their bones now atmospheric ghosts +0+_+ of all released dead matter sources of their gathering |||&=^ a hallelujah of photosynthetic abandon _|..|_ a transference a miracle accumulation a sink a ..-|.| grabbing & bending & forcing deep underground |+||| a conversion a reclamation a redemption #_#+_+ a deep cellar window of light ||



commutative

.|_ us / them / ze / I _|.|.| the body plural the collection the ecology of I ..-|| constellation tonal set |+|+_+ commutative diagram #_#&=^ vector pillars basis set ||.|_ fire bison ^..|.| microfiche &_&|| memex landscape archive +0+

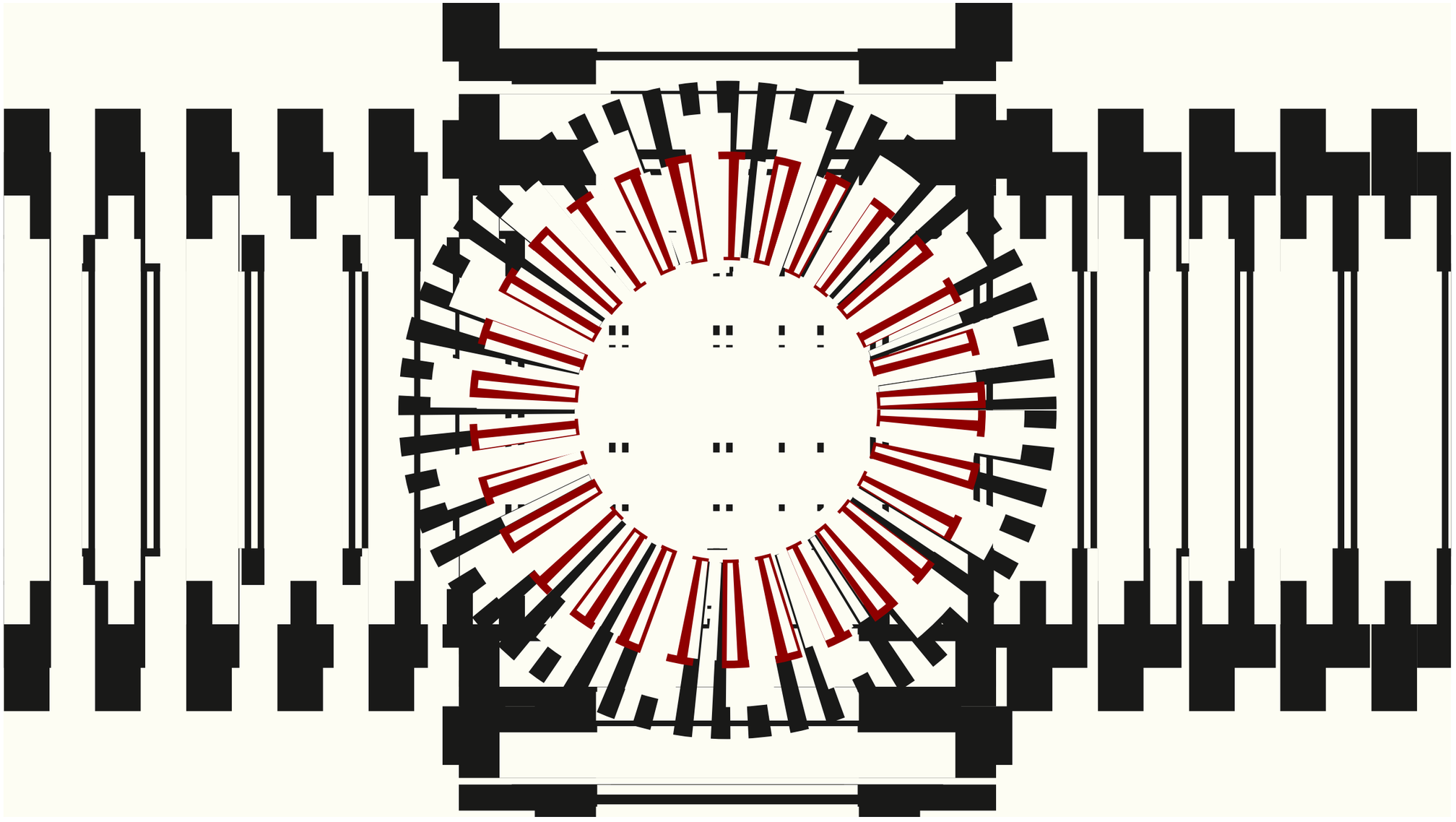
..|. moth flame fuel |..||.| what angel whose wings which bird ..-|| tightrope perilous torch gas flight |+|+_+ filament neon halogen light #_#&=^ solar spectra halo ||..|. semisynthetic polychromatic light ^..|.| harvest net gap spark &_&|| every angel every bird every fire +0+**+_+ every light** |||



diagram

.|_ downward glance creased map marked path _|.|.| radio research building institute ..-|| factory platform station |+|+_+ slant rusty hinge door sunlight #_#&=^ spider housings metal glint antenna ||.|_ vines static deep dark corner silence ^..|.| vinyl recordings specimen drawers &_&|| faded paper census sketchpad marks +0+_+ lost language fallen angels |||&=^ frozen role enactments _|..|_ jukebox score ..-|.| piano rolls |+||| silent tattered scripts #_#

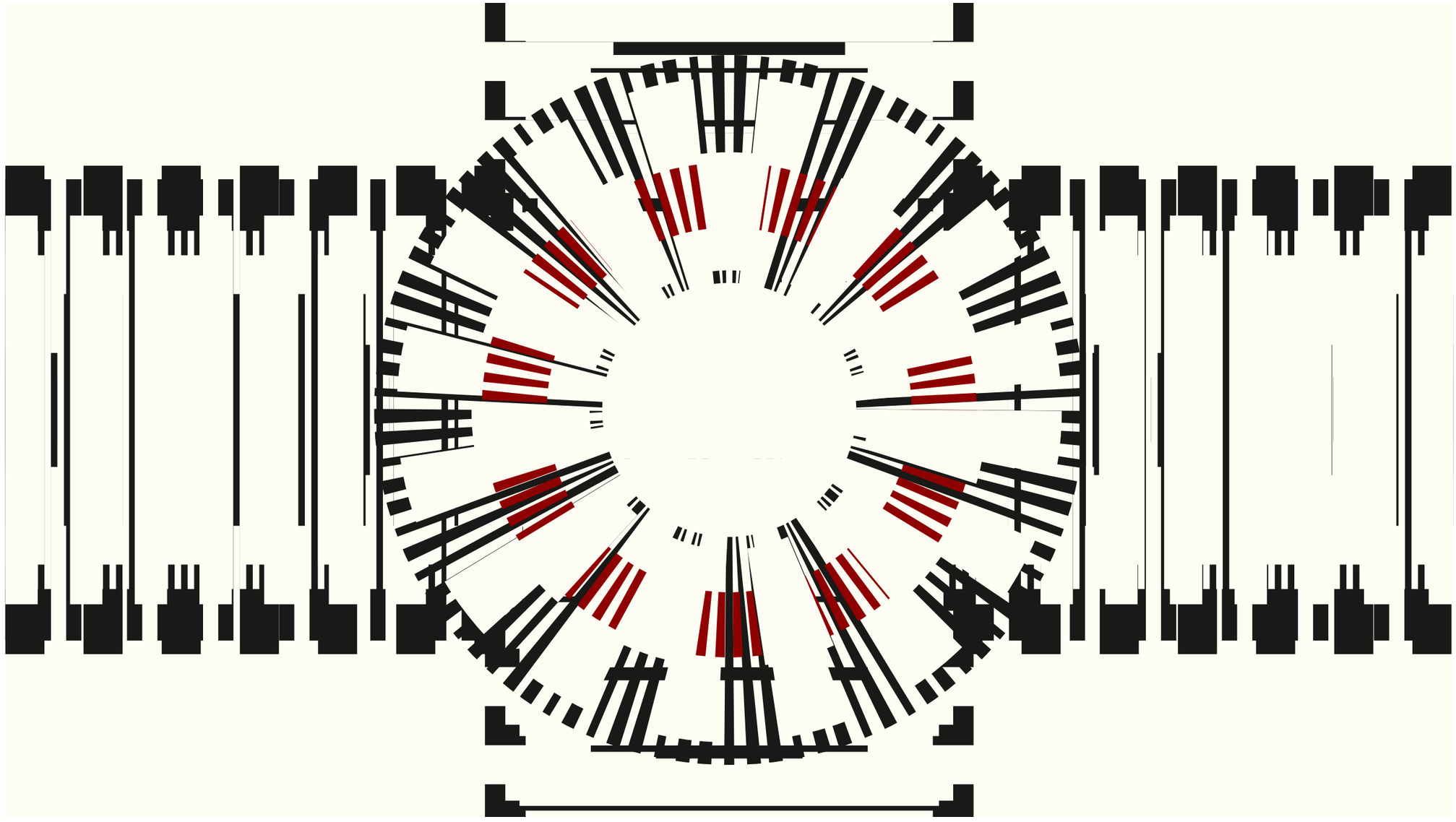
..|. stored inside this moss bound station |..||.| critical to the mission ..-|| notes numbers data |+|+_+ handbook manual translation codes #_#&=^ recorded ghost grass chorus ||..|. dried pressed limbs reed blade stem seed ^..|.| circuit diagram equations &_&



=>

.|_ field notes double reed hollow log _|.|.| breaking hard ground ..-|| thatch root millennia ruptured disrupted |+|+_+ buffalo fire & the fire tenders #_#&=^ lace boots & => functions of lists reduce / fold filter map ||.|_ irretrievable calculation distillation contours ^..|.| physics of oars physics of rope & gears &_&|| physics of taut independence bound inter dependence +0+*+_+ cycling time flow graph calculus of change & motion |||&=^ tangents & intersections flux weather elements wind _|..|_ there exists an x a y a maybe just nothing ..-|.| suppose this |+||| not silence exactly #_#

..|. particles of speech particles of sound particles of exchange |..||.| molecular transfer diagrams schema ontologies syntax relations ..-|| punctuations blank space lines unfolding hollow tunnel echo static dial |+|+_+ encode translate transform (re)cover uncover reverse #_#&=^ verb => noun => past tense ||..|. neural net language drip radio wave resilience ^..|.| co2 => biomass => soil &_&|| the deep & tangled dark sea horizon wind sail blades of grass +0+*+_+ sky to earth to text texture textile |||

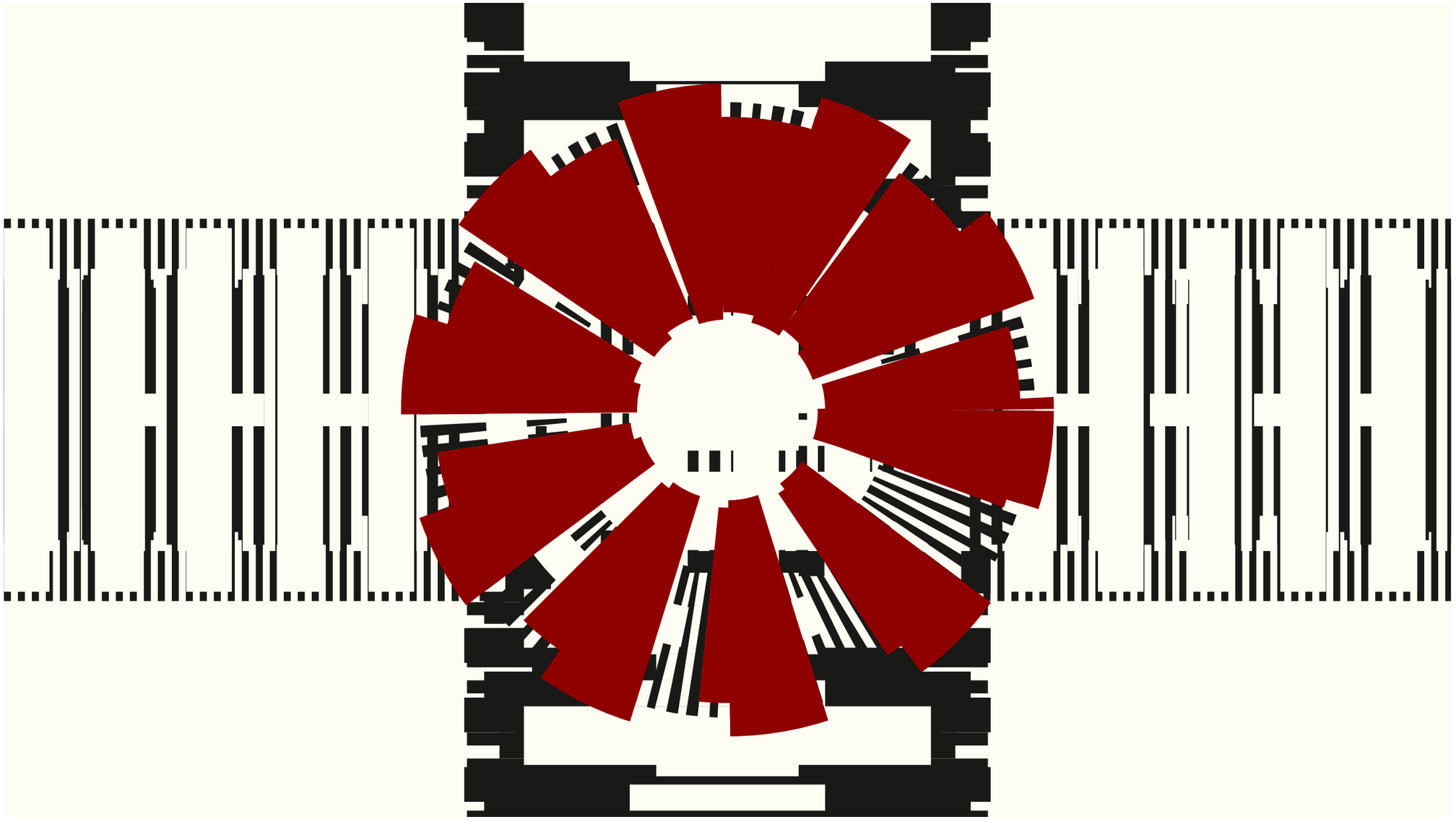


chorus

.|_ homeostasis functions script energy production _|.|.| flows & motion ..-||
minerals carbon |+|+_+ produced consumed released #_#&=^ the mill ||.|_ the body
::: a federation ^..|.| web loom constellation &_&|| temporary boundary of skin
+0+*_+ stoichiometric polyphony |||&=^ chorus set of strings _|.

..|. chemistry & light |..|

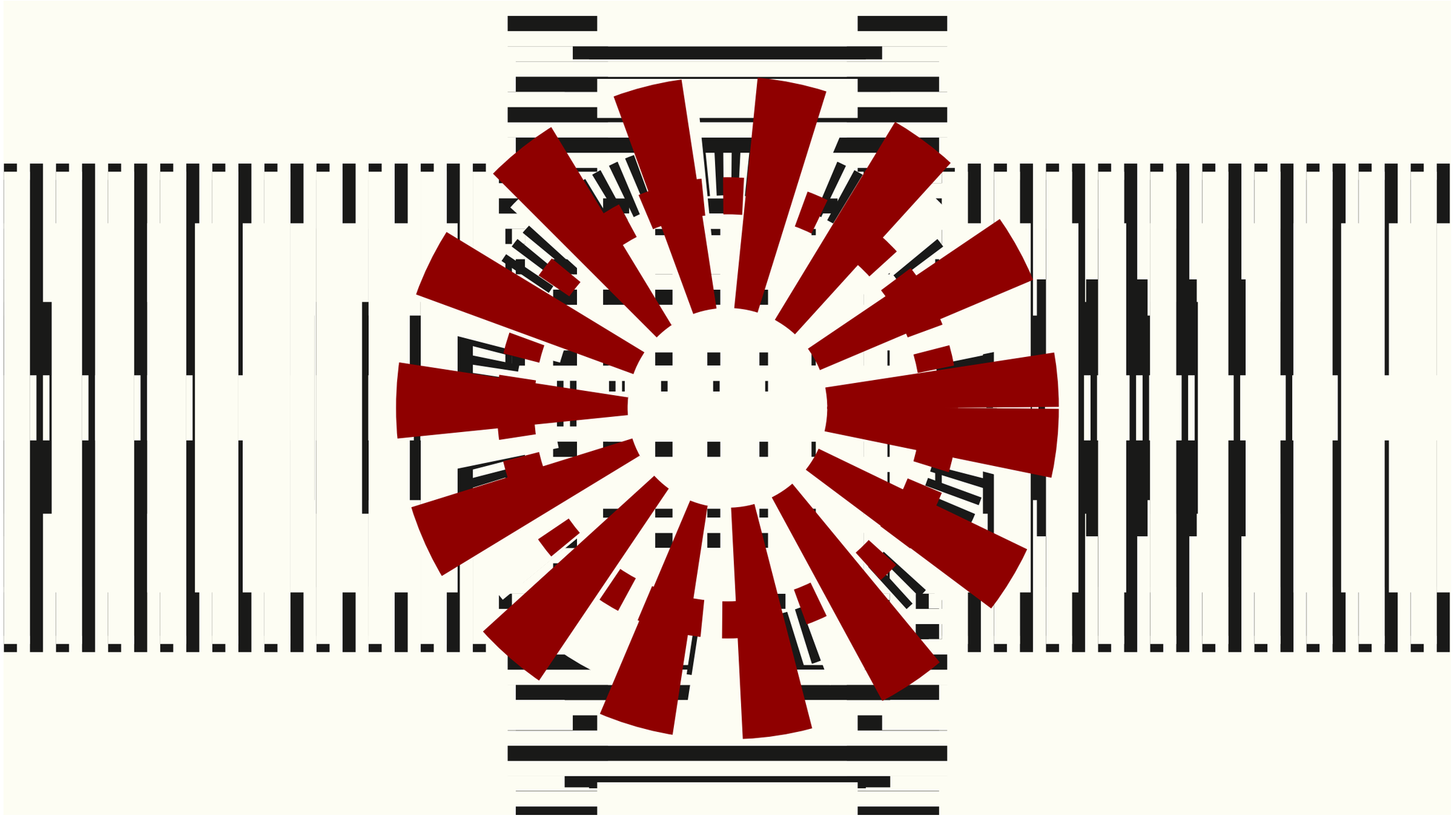
.|_ reading _|.|.| physical traversal ..-|| visceral traversal |+|+_+ repeat repeat
loop #_#&=^ link pause dwell leap ||.|_ hypertext state machine ^..|.| railway
navigation &_&|| photosynthetic bit flow +0+*_+ binary twist |||&=^ one zero
distance field _|..|_ microscope telescope ..-|.| molecular astronomy |+|||
infinite between #_#



dyke

.|_ faint signal pale wave slow current faraway transmission _|.|.| faded recording ..-|| long ago the far away a t-cell twist like this it goes |+|+_+ that jukebox love song jukebox archive jukebox dance song #_#&=^ rusty turnstile chance song billiard dice song co2 roulette ||.|_ trophic past text particles of speech ^..|.| trophic cascade light water steam then ghost &_&

..|. corner bar stool |..||.| the repairman rider passenger lone bird ..-|| grass blade dyke (our hero zero rider ze) |+|+_+ napkin blueprints cipher curves & codes #_#&=^ beer-stained formula calculations configurations ||..|. phase plane transformations ^..



grasses

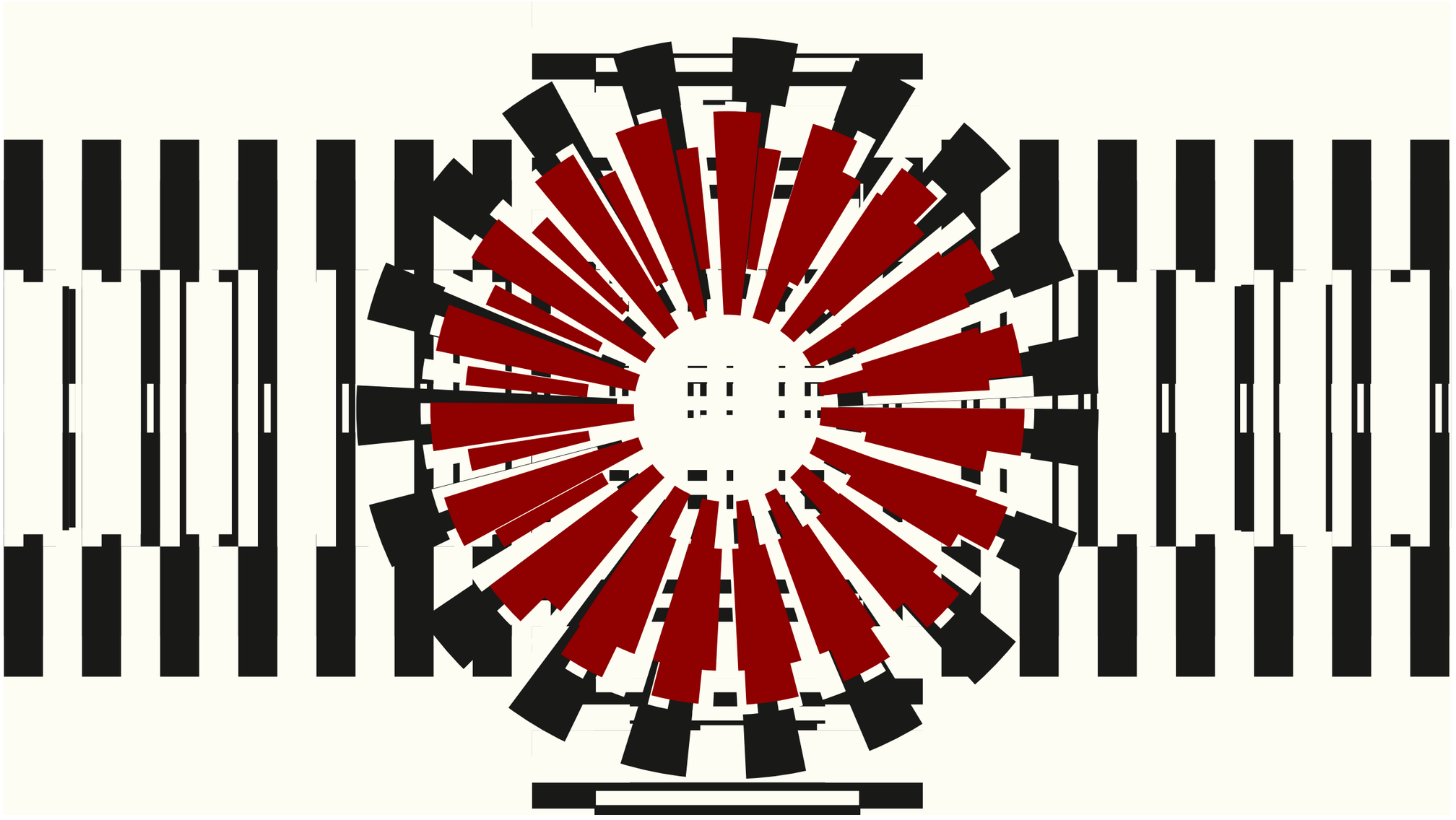
.|_ the passenger left & wandered to the river edge _|.|.| tall grass abandoned plot slope tangled bank ..-|| electric passenger |+|+_+ feathers against the ripe pale blades & reedy fishers #_#&=^ spark filament poetry orchestration animation ||.|_ memory storage bank ^..

..|. after 8 days on the 8th day at 3:48 |..||.| the passenger left the building & wandered ..-|| towards river edge past tall grasses abandoned plots |+|+_+ down sloping entangled bank worn burdened electric passenger #_#&=^ lay down feathers against the ripening pale blades & watched ||..|. the reedy fishers bent stalks headed trousers folded ^..|.| pail in hand to shore chlorophyll surging through limbs &_&|| pulsing turning in the yellow light +0+

vibrating

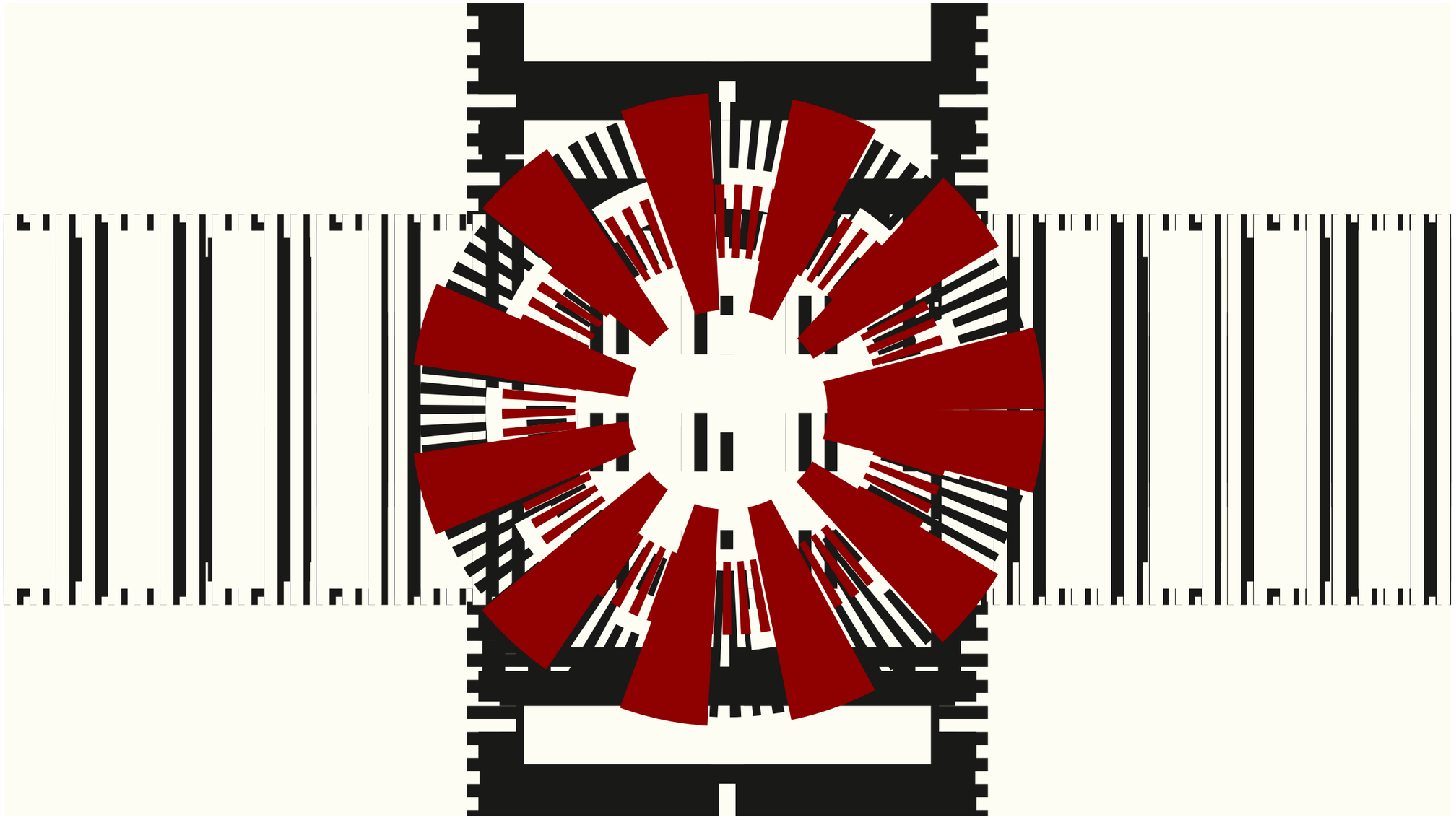
.|_ breathe animate spark _|.|.| pollination proliferation mineralization ..-|| green pigment chlorophyll carbon water weaving milling spinning |+|+_+ oxygen energy light #_#&=^ moment ratio cello ratio orchestra ratio choir ratio grassland ratio ||.|_ wetland ratio ocean redfield ratio broken stick vibrating string ^..|.| eigenvalues slanted towards instability collisional cycling &_&|| lack of continuance certain chaos +0+_+ queer nonlinear signal skewed |||&=^ bent _|.

..|. incompatible not computable indecipherable inscrutable |..||.| interval of change flux charge exchange transition evolution dynamics ..-|| flow bifurcations unbound untied |+|+_+ sudden cloud break asymptotic stable stillness center #_#&=^ an orbit a continuance a vector field exuberance ||..|. neon vibration computation geologic carbon spilled across the sea ^..|.| deep beneath the surface roots shredded ancient bones past sink store archive lock &_&|| zero hero carbon sink pivot tangent steady drop +0+



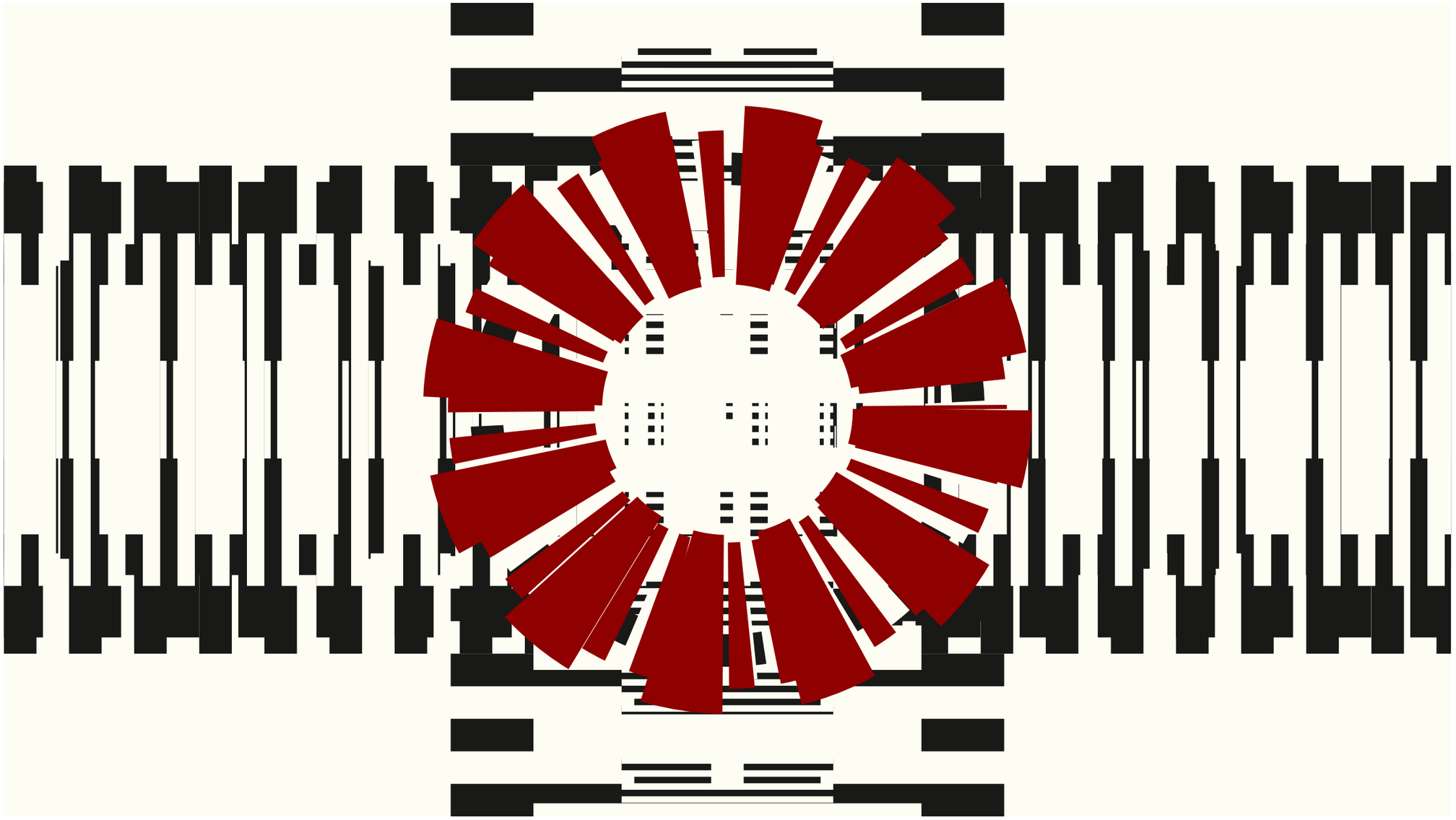
score

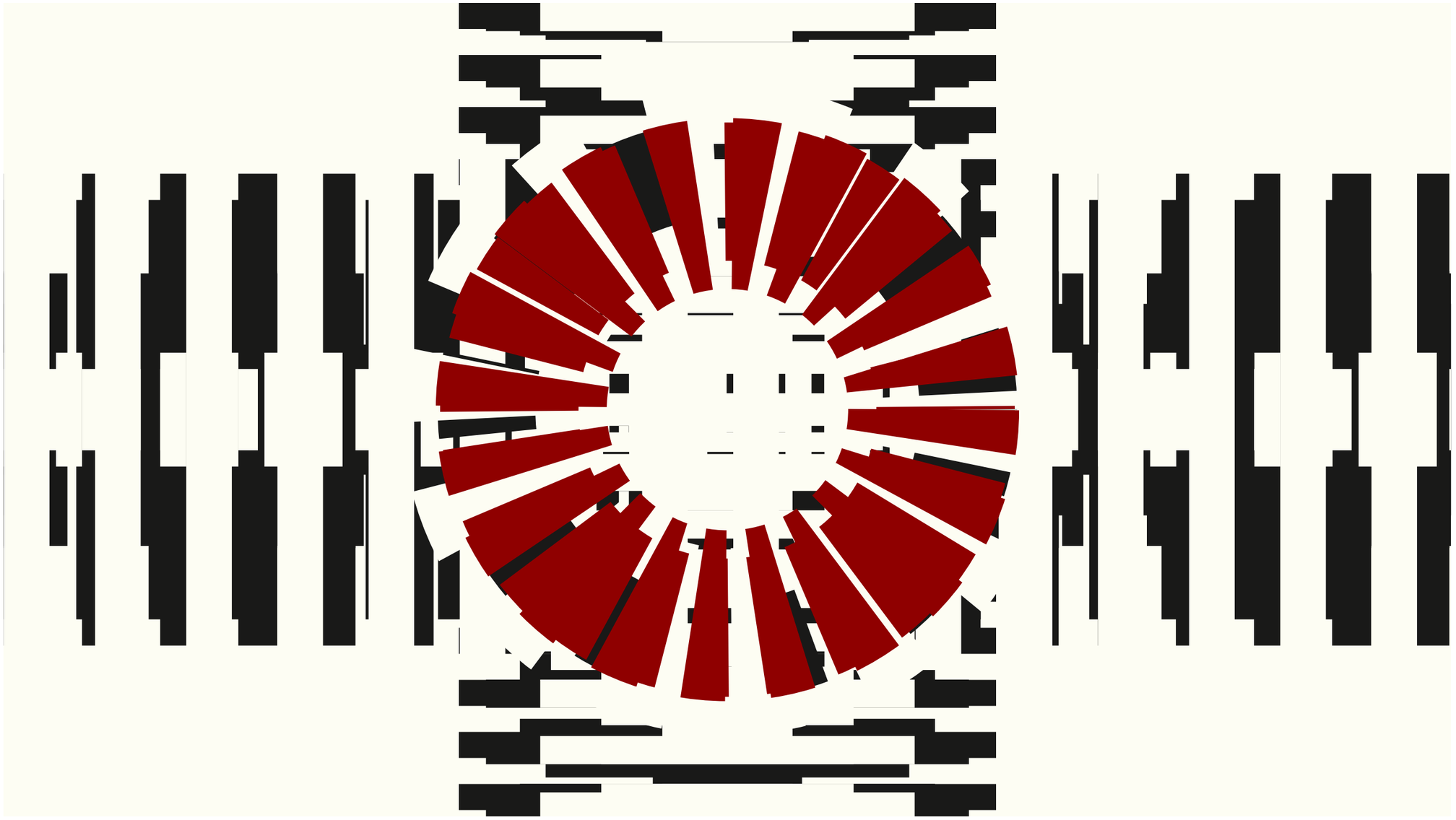
.|_ a hare moves _|.|.| half the distance ..-|| repeat repeat loop |+|+_+ never stop never loss never last measure last chance #_#&=^ last breath last half last step ||.|_ density tonal lattice ^..|.| 2d telegraph &_&|| duration plot staccato rhythm pattern +0+|+_+ stochastic cyclone cluster noise chance score |||&=^ sonic braille morse code stream sound _|..|_ alphabet word phrase sentence time paper scroll ..-|.| lattice graph network web tree |+||| link join conjunction semicolon latch hinge #_#+_+ doorway portal pivot junction ||&=^ conjoin jump ^...|_ place or point of union &_&|.| two or more railway lines +0+|| junction meet or cross |||



orange

.|_ why is this day unlike any other day? _|.|.| this moment this view this inflection bending curve like no other ..-|| or why is this day like an other once upon a time dinosaur last-day meteorite explosion |+|+_+ dusty smoke-filled orange sky #_#



bound

```
.|_ industry! _|.|.| gears machines efficiency ..-|| plow & yoke |+|+_+ breaking
ground #_#&=^ carbon cycling ||.|_ bound flow ^..|.| tensile vectors &_&|| release
capture +0++_+ web cycle graph system lattice |||&=^ plumes & spills _|.
```