

# Welcome to active-data

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Your Name

## 1 Before you start

Try to mentally step back for a second and imagine you standing in front of a 100 gigabyte data chunk format JSON, rock solid painted in black.

Your existence depends on finding the little data Nugget who lives in Giga-Byte 52.17 you never seen the thing bevor, what do you do.

## 2 AI-micro-structures

They are called like that because they have multiple properties some are related to the nugget you still searching. The name giving properties come from the genetic way the data is organised.

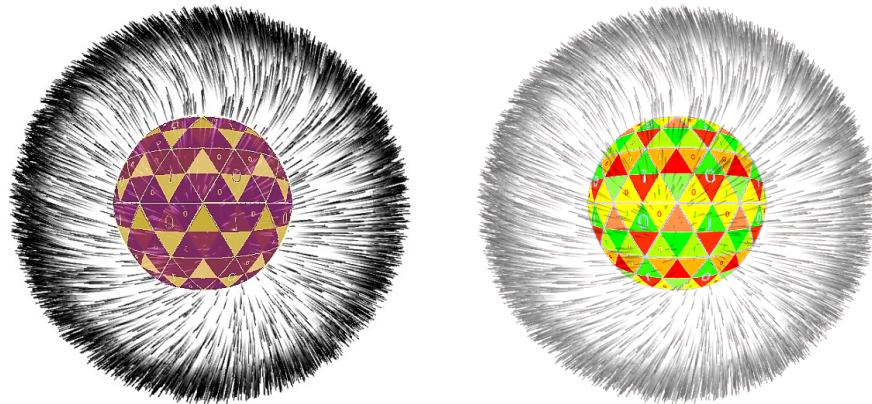
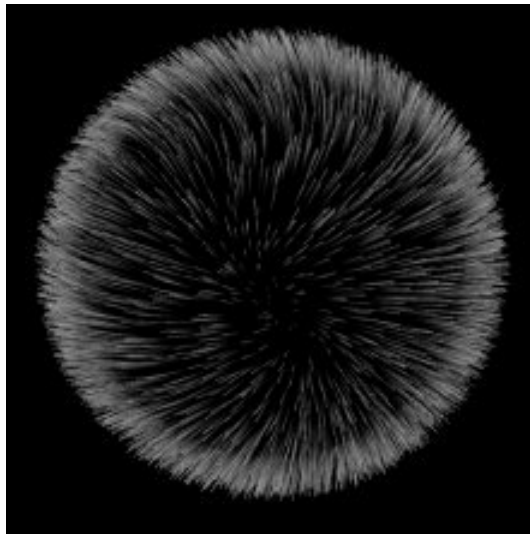


Figure 1:

### 3 Optimized data-surface



#### 3.1 Data Restructure

- Each knot in the data structure is identified
- same query distance for each knot in the structure
- generations for revisions
- scanning for knowledge
- uncontrolled data-evolution by matrix exchange and fitness comparison

#### 3.2 Fitness

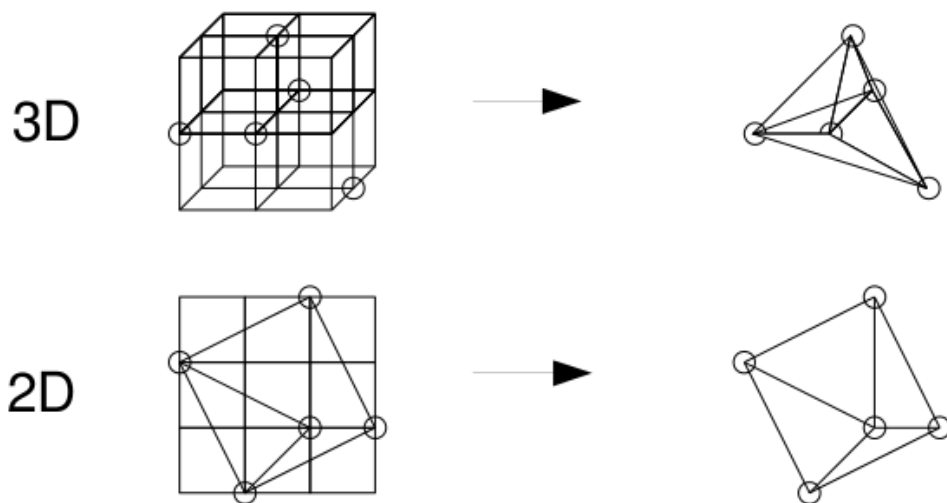
- querying based on a matrix within a semantic domain
- data fitness based on query matrix

#### 3.3 Data States

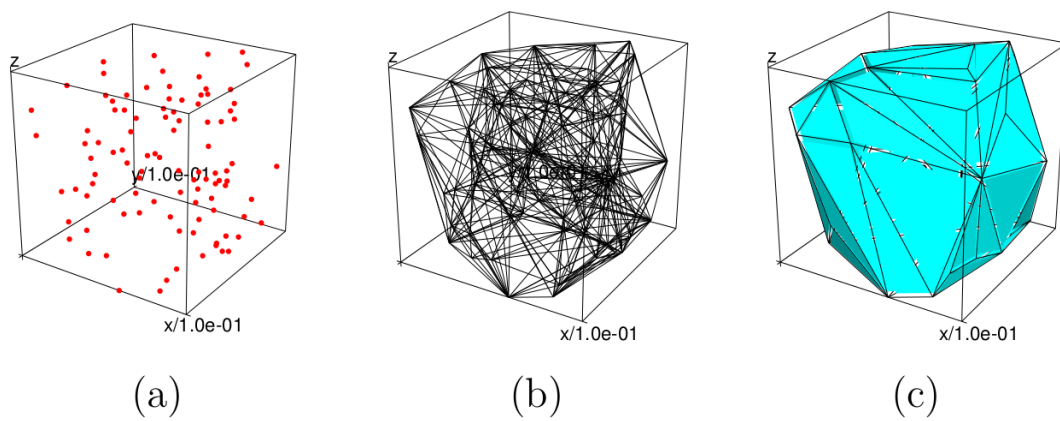
- growing
- unknown

- semantically signed

## 4 Concept Theory



## 5 Concept applied on Data



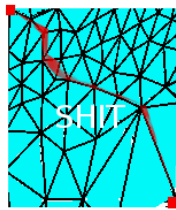
## 6 Coding it

It will work by adding a closed unit (mesh + matrix + reactor) in front of a CouchDb The unit uses a array of algorithms to bring light to the data map it and restructure to harmonised entity most likely we will have in the common toolbox (linux,perl, couchdb, POE, RamDisk, JSON) core toolbox (tetgen, meshlab, CPAN::[Math,AI,Algorithm,Statistics]). The matrix we start with will be able to express (static,liquid,common,unique,dominant) semantic signing for data.

## 7 Concept applied on Query

QUERY way

a



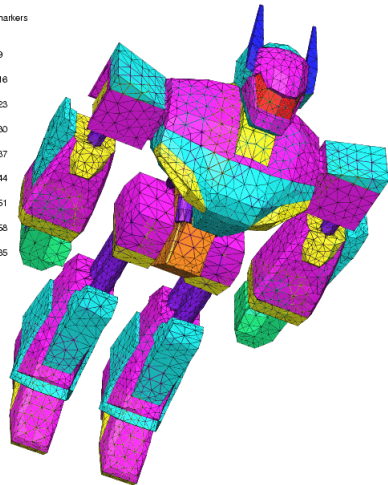
*Same data block*

b



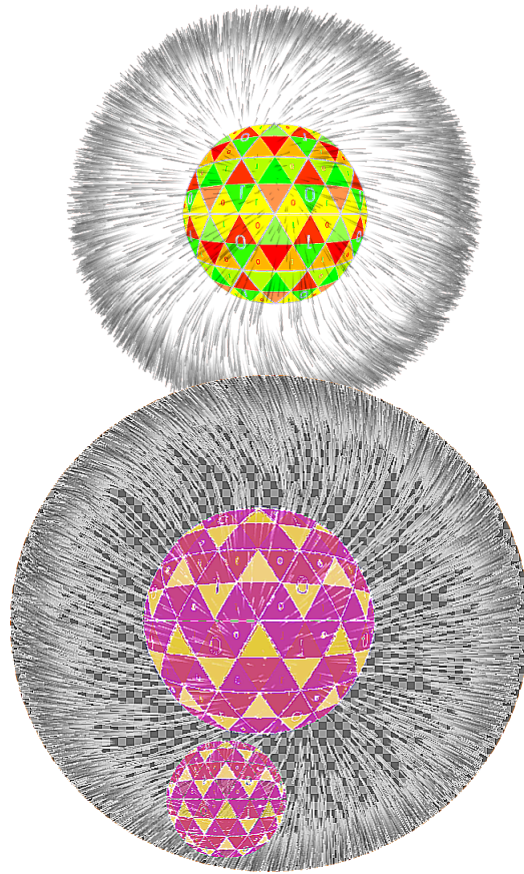
## 7.1 Unknown Data with tet-gen

9 boundary markers



## 8 Entities and Emergence

- Micro-structure



- Procreation
- Symbiotic

