

“use strict”; ~

## Using Graphs to Represent Equations

Tree Graphs can be used to present equations. In turn, these graphs can be stored as an encoded Array. In the context of the *Evolutionary Sound* project, these equations will be used to affect sound. The stored Array will be saved in the “DNA”, and will be decoded when the sounds are created.

```
var hello = 'there';
```

## Encodings

Operators will be treated as functions. For example,  $1 + 1$  will be treated as `Add(1,1)` and then encoded into `A11`. This allows storage as an array, because the decoder can understand that “A” is equivalent to `Add()`, and the parameters are the numbers that follow

## Test

Hello! Testing an equation here:  $x^2 + y^2 = z^2$  and another equation

$$\sum_{0 \leq x \leq n} x = \frac{x(x+1)}{2}$$