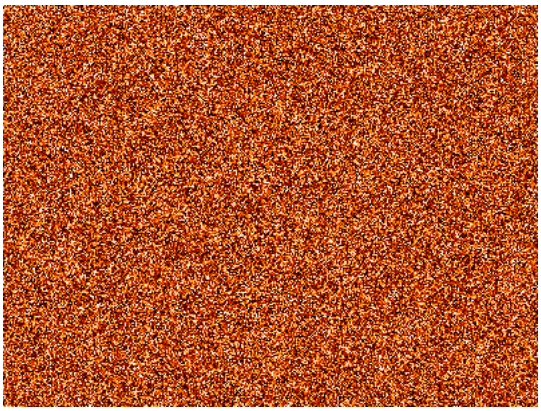
QOE - Quality of Encryption
DM/RAL 11/21

We are concerned about being able to discern any regularities in the output of our Actors ENCRYPTOR blocks.

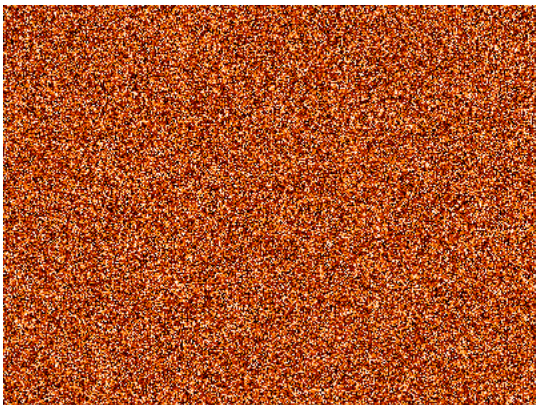
Let's begin with a random field as input data, derived via iterated SHA3/256 hashing:



And here is the result after encrypting through:

```
(PIPE (MARSHAL-ENCODER)
      (ENCRYPTOR EKEY))
```

where EKEY was randomly generated via SHA3/256 hash:



As you can see there are no apparent regularities in the encrypted output. Nothing to distinguish it from a random field. The input and output look similar, but not identical.

As a side note, the input data, generated via iterated SHA3/256 hashing, also looks very good as a totally random field. It is a statistically uniform distribution. The encrypted result is similarly from a uniform distribution.