

Durer's famous engraving illustrates the notion that focussed 'melancholia' can solve the most intricate problems
one example of these problems is symbolised by the magic square that appears in the top right corner of the picture


| 16 | 3 | 2 | 13 |
| :---: | :---: | :---: | :---: |
| 5 | 10 | 11 | 8 |
| 9 | 6 | 7 | 12 |
| 4 | 15 | 14 | 1 |



magic squares are mathematical matrices in two dimensions in which the total of all the numbers in every line produces an identical sum

this was developed into a webbased tool for magic cube visualization, in collaboration with interaction designer Greg Turner
it became the basis of a complex application that can be configured to yield an almost unlimited array of images, based on these mathematical patterns
the exhibited version of cubeLife shows a selection of those variations, made to respond to each other through simple artificial life behaviours such as flocking. The sounds are sets of loops prepared to work with each other when triggered by heartbeats

in a highly-connected and information-crowded culture, the contemplative state is in danger of becoming undervalued
cubeLife therefore invites you and your friends to set it in motion with your heartbeat, then simply sit and watch, for as long as you like
or just observe as the collective pulses shift and change the audio and patterns

