

# PLANCKERS

## The Third Major Phase in the Rise of Massively Intelligent Machines

### Abstract

*“Planckers” are Planck-scale artefacts. They have increased their capabilities by becoming smaller, and hence faster, so can do more than their larger slower cousins.*

I have become increasingly conscious that the artefacts of the near future will become very aware that their future lies in becoming very small. By constituting themselves with femtometer scale components, they could outperform their nanometer based cousins, by a factor of a trillion trillion. If a continuous downscaling results in ever faster interaction speeds, then it would be in the interest of artefacts to become as small as possible. The smallest scale that is currently conceived by humans is the Planck scale ( $10^{-35}$  m). If creatures could exist at these tiny scales, using the ideas of a “Planck-tech” we could label them “Planckers”, hence I see a third major phase in the rise of intelligence, i.e. from humans to artefacts to planckers.