



UNLOCKING
CONSCIOUSNESS



BRIAN MIND FORUM

Appendix 011

Pattern formation and mathematical biology

Turing worked from 1952 until his death in 1954 on [mathematical biology](#), specifically [morphogenesis](#). He published one paper on the subject called *The Chemical Basis of Morphogenesis* in 1952, putting forth the Turing hypothesis of pattern formation. His central interest in the field was understanding [Fibonacci phyllotaxis](#), the existence of [Fibonacci numbers](#) in plant structures. He used [reaction–diffusion equations](#) which are central to the field of [pattern formation](#). Later papers went unpublished until 1992 when *Collected Works of A.M. Turing* was published. His contribution is considered a seminal piece of work in this field.

2018 // Book Final // Appendices NEW // 011 Pattern Formation (Turing)