

Author(s):

Zbigniew R. Struzik, The University of Tokyo

Abstract title:

Nothing

Abstract:

The concept of nothingness has profound philosophical connotations and is restricted only to the most daring speculations. Meanwhile, mathematics and natural science are at the very most capable of dealing with the concept of 'absence' such as the notion of 'zero'. In recent decades absence in these contexts has attracted significant interest, for example, such as in fractal and strange attractors, where it is sometimes characterised in terms of 'lacunarity'. I will review the contexts of absence which overlap with my interests, in particular in complex dynamical systems. There, the inter-event silence is at least as meaningful as the event itself.