

Integrated Information Theory (IIT) is a neuro- and computer science based theory of consciousness proposed originally by Tononi. This article is a critical summary of IIT and its comparison with TGD inspired theory of consciousness. Basic criticism relates to the circular definition of consciousness leading to a paradox. The printing of a text by printer is a conscious process if no-one knows the text but not so if some-one knows the text. One could test IIT by looking if a system with large Φ (say classical computer in which program is running) has the properties associated with living conscious systems (self-organization in presence of energy feed, metabolism, responsiveness,...). Also the questions about possible experimental testing of IIT raised by the participants of the panel are discussed.