

**A COMPARISON OF TWO THEORIES
STRENGTHENS THEIR CREDIBILITY ON THE QUESTION
OF EXISTENCE OF EXTRATERRESTRIAL CIVILIZATIONS**

By Nikiforos A. Sideris

Abstract

In the first part of this presentation a comparison of the well-known Frank Drake's Equation (FDE) with the Index of Evolution⁽¹⁾ (IE) I presented in the first SETILeagueCon, leads to two basic conclusions:

- 1) These two independently derived and completely uncorrelated expressions, are compatible with each other and the outcome of the former verifies the outcomes of the latter and vice versa.

In the absence (to my knowledge) of a third **mathematical** expression which either disproves or guaranties the existence of ETI, the compatibility of FDE with IE, leaves no doubts that at least the supercluster in which our galaxy is embedded, is populated by an average number of at least 10^9 advanced civilizations. Some of them are as advanced compared with us as humans are advanced compared with primitive organisms (little worms e.g).