

ON THE EVOLUTION OF SPECIES: FRED HOYLE THEORY

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Abstract

In the field of biological evolution, the Darwinian theory of natural selection is widely accepted and it has deeply penetrated through the educational system. This theory states that variation must exist in a population of organisms and the fittest members of the population competing for resources have a selective advantage while others are eliminated. Over the years, extensive research works have been carried out by several researchers from different areas in order to justify the reliability of the natural selection and the random mutation based Neo-Darwinism concept. When ideas are based on observations, Darwinian theory is valid, however, troubles arise when extrapolations are made outside the range of observations, i.e. Darwinian theory is correct in a limited sense. So it becomes natural to determine how far the theory is valid, and why beyond a certain point it becomes invalid. In the present work, an attempt has been made to illustrate the above mentioned issue with the help of Fred Hoyle's mathematical theory.