

VACUUM, VORTICES & GRAVITATION

Preamble to 2010 edition

The first printed edition of this philosophical essay was issued in February 2004, following ideas about cosmic vortices and gravitation I had occasion to express in early papers of mine, as published in years 1962-1963-1965 by “Cahiers G” of the Centre Européen pour les Recherches sur la Gravitation (CERG - Rome, Italy).

In April 2004, all the contents of that same first edition appeared in my personal Internet web-site.

This new edition (2010), which also replaces the previous one in Internet, includes a few explanatory additions to the precedent text, with an eye to very important data and images transmitted by space probes during the recent years. No change has been introduced in the original text as far as its substance, method and conclusions are concerned.

It seems that cosmology is nowadays under quite an unusual pressure, in the light of the news we are day by day receiving from intergalactic space. In the near future, as the space probe activity develops further, it will be more and more difficult to update the conceptual framework of our knowledge consistently. Rather, it seems likely that the whole system of our present cosmological thought will soon be dismantled.

Poznań, March 2010

M. L.

VACUUM, VORTICES AND GRAVITATION

A Draft Philosophical Essay

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