

VACUUM, VORTICES & GRAVITATION

Preamble to 2012 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 2012 edition, which will also replace the previous one in Internet, inserts a few explanatory notes and additional references in the previous version, with an eye to important data and images transmitted by space probes during the recent years.

I have eliminated a few inessential paragraphs of previous editions, partially replacing them with new comments, in a view to improve the comprehensibility of the text. Major changes regard the wording and the terminology together with a reshaping of formulas according to a normalized mathematical symbolism.

Neither changes nor corrections have 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, July 2012

M. L.

„The charm of knowledge would be minimal, if – on the path to knowledge – there were not so much decency to surmount.“

Friedrik Nietzsche (1844-1900)

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A Draft Philosophical Essay

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* This section (Part III) of the essay has been prepared during March-June 2007

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