

Renaissance of Next Conception of de Broglie

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Abstract: The idea of genial de Broglie has been defended.

Every particle is a black hole (and every charge is a black hole too), so it is a crater without the bottom. Such a particle can also be the end of an appendix of another Universe immersed in our Universe.

So the whirl in the ether.

This is an original conception of de Broglie.

The situation is analogical to the crater in water in the bath at the place of draining of the water – where there is the whirl in the crater and simultaneously the crater creates the whirl.

There are not point-like particles (L. Infeld) [1].

The “purely” gravitational black holes must fulfill certain additional statistical conditions because of the fact that every interaction is equivalent to gravitation and in this case the number of such particles is huge.

Essentially, the “pure” gravitation means that

$$M_{gr} \gg \sum_{i=2}^{\infty} \alpha_i |Q_i|$$

Although it is known that at the beginning we should unify the sources of interaction in purpose to unify their fields (but then the unification is automatic), nevertheless the boundary between the source and the field is fluent according to the great conception of de Broglie.

Reference

[1] L. Infeld – Great Father of His son. At least a serious reference