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Инварианты магнитных линий для решений Янга-Миллса

понедельник, 1 апреля 2024 г. 18:40 (20 minutes)

We construct a new Yang-Mills 3D-solution on the space of negative scalar curvature. We discuss a problem of non-abelian gauge symmetry is broken with the assumption that a scalar curvature of the domain is a negative small parameter. In this case we use the following fact: a geometrical scale related with Vassiliev's discriminant of magnetic lines coincides with a phisical Kolmogorov scale. https://doi.org/10.1016/j.geomphys.2024.105102 arXiv:2312.06301

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