

Centres of force and point-particles in Boscovich's unified theory

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Modern physics has the problem of singularities which are zero dimensional points in space which when assigned mass then have infinite density, and this leads to the difficulty of not knowing how to handle infinity. However, in the conception of Boscovich's theory an object can be treated as if all its mass were at its centre of gravity, effectively then treating mass as a dimension. This centre of gravity is then treated as the point-particle upon which everything else is built. Thus it could be deemed that the conception of modern physics is on the wrong track and the conception should be as per Boscovich's unified theory. This study is based on recent translation of Boscovich's book "The center of gravity dissertation", highlighting what was missed in modern physics development from Newton to early form of quantum physics under Boscovich.