## Abstract Submitted for the MAR09 Meeting of The American Physical Society

The mass, energy, space and time system theory-MEST- the theory of relativity and the quantum mechanics DAYONG CAO, Beijing Natural Providence Science & Tech — Things have their own physical system of mass energy, space and time of themselves. (The MEST for short thereinafter) So we can use it to unite both the physical system of any thing. There are the transmutation between space-time and mass-energy. There are the conservation of space-time and mass-energy. The uf force like the gravitation is from space-time, the down force like repulsion is from mass-energy. So there are the positive and negative curvature. We need to develop the theory of relativity and get the new equation. By using the mass-energy wave equation, deduce the new uncertainty principle, uncertainty and probability can not be divided. New wave web equation are being put forward. The quantum mechanics is the mass and energy theory of relativity; the theory of relativity is the space and time theory of relativity. MEST can unite both them.

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