Abstract Submitted
for the APR11 Meeting of
The American Physical Society

The speed factor of fundamental Fields and its effects on Physical Phenomena QI WANG — Static electric field and gravitational field are not static at all. The strength and direction of both fields are not only dependent on the distribution in space but also on the relative motion. Just like the uniform distribution in radial direction in space results in the inverse square laws, the motion of both fields at the uniform speed of light in radial direction also results in speed factor *(1-v/C) where v is the relative speed of particles.* After incorporating the speed factor, new physical laws are able to describe precise motion and force for photons, particles and stars moving at any speed including at or above the speed of light. Experiments, predictions and proposals are given in the end of this article.

Qi Wang

Date submitted: 30 Dec 2010 Electronic form version 1.4