Across the demarcation of era: definition of natural electromagnetic dynamics (I)

I The ingenious connotation of relativity and electromagnetic dynamic energy: quality and

qualitative leap

II Quantized electrodynamics and the interaction: the creativity of aesthetics in the grand

unification— matter and universe, space, motion and time, biology and humanity

III Definition of natural electromagnetic dynamics

IV With grateful heart

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Keywords

natural electromagnetic dynamics, electromagnetic dynamic energy; relativity, space, motion, time; matter, universe, biology; natural mathematic logic; aesthetics; diode, bipolar junction transistor,

tunnel diode

This paper is the satellite letter to summary the series of paper 'Action Potential, Bioenergy

Resource, and the Principle of Natural Electromagnetic Dynamics: the Living Essence and Eternal

Elegant-Beauty— from Biology to the Universe', 'The Eukaryotic Mechanism Directed by

Bioelectricity: Creation and Enlightenment', and 'The Electromagnetic Spin Energy and the

Electromagnetomathematic Differentiation on Phase Transition', etc. [1-5 Shen].

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I The ingenious connotation of relativity and electromagnetic dynamic energy: quality and qualitative leap

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### 5 The relativity principle of transistor

II Quantized electrodynamics and the interaction: the creativity of aesthetics in the grand unification— matter and universe, space, motion and time (in general sense), biology and humanity

## III Definition of natural electromagnetic dynamics

#### 1 Definition

**Foundation** (relativity, Maxwell's theory): the relativity that is the natural property of electromagnetic energy.

**Principle** (**special relativity**, the electromagnetic interaction in the electromagnetic dynamic system): the intercrossed duality of differentiation in electromagnetic field that fundamentally generates the unity in opposites.

**Mechanism:** the electromagnetic convection-exchange coupling operated in the relationship of counter-variance & intergrowth with the unity in opposites.

**Trigger**: the background energy that generates from the relativity of external field.

**Product** (the triplicate connotation of electromagnetic dynamic energy): the combination of energies of AC electricity, electromagnetic spin power and electromagnetic complex-signals.

**Feature**: the quantized energy level. The electrodynamic dynamic energy can profit from both entropy decrease and entropy increase.

**Creation** (**general relativity**, the electromagnetic interaction between electromagnetic dynamic systems): the space, motion and time of matter, biology and universe; aesthetics and humanity; natural logic.

### 2, 3

# IV With grateful heart

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