



**FIGURE 12.** To create a non-equilibrium a forcing on expense of another non-equilibrium (outside or within) is required, thus non-equilibrium cannot be created but re-arranged (transferred, in-limit conserved) or partially/fully dissipated and thus lost within interacting systems. *Interactive forcing displacement* (action/reaction forces, due to non-equilibrium of mass-energy density in space) causes mass-energy transfer from acting (mass-energy source) to reacting (mass-energy sink) material particulate systems until the two equalize (net-zero mass-energy transfer, thus lost of original non-equilibrium, i.e., '*forcing*' available energy or work potential). Therefore, active forcing is cause-and-effect phenomena of mass-energy transfer (flux) from higher to lower energy density (or energy potential) in space. If non-equilibrium could be created without due cause (a wishful thinking), it would transfer all existence (mass-energy we know about) with self-accelerated, unstable destructive process, into an unobservable infinitesimal singularity with infinite mass-energy density, instead of equi-partitioning of existing mass-energy towards the stable equilibrium (a uniform mass-energy density in space).