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Orbital Free DFT versus Single Density Equation: A Perspective through Quantum Domain Behavior of a Classically Chaotic System

Debdutta Chakraborty, Susmita Kar and Pratim Kumar Chattaraj*

Department of Chemistry and Centre for Theoretical Studies

Indian Institute of Technology, Kharagpur 721302, West Bengal, India

*To whom correspondence should be addressed. E-mail: <u>pkc@chem.iitkgp.ernet.in</u>, Telephone: +91 3222 283304, Fax: 91-3222-255303.

Supplementary Information

Figure captions:

Figure S1: Time evolution of phase-space distance function (QTM) for the single well case at g=1(pink) and 40 (blue).

Figure S2: Snapshot of the probability density at time 150 a.u. for cases (a) g=1 and (b) g=40 respectively.

Figure S3: Time evolution of phase-space distance function (QTM) for the triple well case at g=1(blue) and 40 (brown).

Figure S4: Time evolution of phase-space volume (QTM) for the triple well case at g=1(blue) and 40 (green).

Figure S5: Variation of L_{max} as a function of f and θ for the single well case.

Figure S6: Variation of L_{max} as a function of f and θ for the triple well case.



Figure S1



Figure S2



Figure S3



Figure S4



Figure S5



Figure S6