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| Title: | Wigner and Husimi Distribution Functions for Quantum Systems |
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| Abstract: | The present work deals with the study of Wigner and Husimi function for quantum systems. We have applied Wigner function to the Harmonic oscillator and represented it in the phase space distribution. We have proposed two different methods to compute the Wigner function using fourier transformation. We are applying these methods to model quantum systems and later calculating the electron densities for atoms and molecules. |
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