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**Fisher Information and Complexity Measure of Generalized Morse Potential Model**

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***Abstract***

*The spreading of the quantum-mechanical probability distribution density of the three-dimensional system* *is quantitatively determined by means of the local information-theoretic quantity of the Shannon information and information energy in both position and momentum spaces. The complexity measure which is equivalent to Cramer–Rao* *uncertainty product is determined. We have obtained the information content stored, the concentration of quantum*  
*system and complexity measure numerically for n* = 0*,* 1*,* 2 *and* 3 *respectively.*

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**Key words:** fisher information, Shannon entropy, complexity measures

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