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Employing energy function method and the fundamental properties of Ito-Doob type stochastic auxiliary systems of differential equations, we establish the relationship between the solution processes of stochastic auxiliary, comparison, perturbed and unperturbed systems of differential equations. The stochastic differential inequalities and comparison theorems are used to obtain the estimates on the solution of the perturbed system. In addition, several estimates are obtained with regard to the deviation of solution process of perturbed with respect to the solution process of unperturbed system. Examples are given to illustrate the usefulness of the results. (Received September 21, 2012)