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A mathematical model of peer-instruction including stochastic uncertainty

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As a class of statistical transition processes, a mathematical model of peer-instruction including stochastic uncertainty is presented. Expectation and variance are shown by using direct numerical simulations of the resultant model and moment equations with a simple closure. The resultant model will provide insights to the real data beyond the standard statistical analysis.

Author: NARIYUKI, Yasuhiro

Presenter: NARIYUKI, Yasuhiro

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