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the bg statistics are then a very convenient practical tool to evaluate for an ergodic system the phase space averages that determine the macroscopic properties of the system a very convenient intermediate step between microscopy molecular dynamics and macroscopy

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this is a statics and dynamics text for second or third year engineering students with an emphasis on vectors free body diagrams the basic momentum balance principles and the utility of computation students often start a course like this thinking of mechanics reasoning as being vague and complicated

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statics is the study of objects under different forces when the body is at rest in equilibrium from an equation point of view this means that the sum of forces are equal to zero and the sum of moments negative torque 1

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