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Dynamics and Vibrations - Notes

total moment on the system is zero. (IIc) III)
Power Balance (1st law of thermodynamics)
Equation of motion QP C P D EPK C EPP
C EPint | {z } EP Heat fl ow plus
mechanical power into a system is equal to
its change in energy (kinetic + potential +
internal). (III) for fi nite time $Z t 2 t 1 QdtP$
C $Z t 2 t 1 PdtD1E$ The net energy fl ow
going in is equal

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