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In The Principle Of Virtual Work. We Are Left With $\sum \mathbf{F}_i \cdot \delta \mathbf{r}_i = 0$. I-1
This Is D'Alembert's Principle. It Says That The Work Done By The Applied Forces,
Plus The Work Done By The So-called Inertial Forces $-\mathbf{m}_i \mathbf{a}_i$, In A Virtual
Displacement Is Zero. In Spite Of Its ... Jan 3th, 2024

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So The Force, A Vector Quantity, Has Components Which Are Partial Derivatives Of
A Scalar Quantity, The Potential Energy $V(x;y;z;t)$. On The Other Hand. The Left-
hand Side Of The Vector Equation Concerns The Time Derivative Of The Momentum,
A Vector Quantity. The Most Closely Related Scalar Quantity Is The Jan 2th, 2024

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Solved By Lagrangian And Hamiltonian Mechanics. 7.1 Basic Concepts And
Formulae Newtonian Mechanics Deals With Force Which Is A Vector Quantity And
Therefore Dif-ficult To Handle. On The Other Hand, Lag Mar 1th, 2024

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