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september 11th, 2018 - 2 11 a vector of a of constant length but varying direction is a function of time show that $\frac{d\mathbf{a}}{dt}$ is perpendicular to \mathbf{a} 2 12 show that if \mathbf{f} is a force directed along \mathbf{r} and if $\mathbf{f} \cdot d\mathbf{r} = dt \cdot 0$ at all' **LECTURE2-VECTOR ANALYSIS 2**

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