

# Vector Calculus (H.1)

## Vector Functions

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## References

[1] Paul's online math note

# Parametric Surfaces

$t$  Parametric Curve

$$\vec{r}(t) = x(t)\vec{i} + y(t)\vec{j} + z(t)\vec{k}$$

$$\begin{aligned}x &= x(t) \\y &= y(t) \\z &= z(t)\end{aligned}$$



