

Supplementary Class Notes

PART II

B'19 2019-2020

Volumes by Slicing – a Concept



Volume of a "Parabolic Hemisphere"

A solid has a *base* that is bounded by the curves $y = x^2$ and $y = 2 - x^2$ in the *xy*-plane



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Generation of a Solid of Revolution



Revolving the region *R* around the *x*-axis makes a solid of revolution



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The Washer Method







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Surface of Revolution







Cheese Plates as Plane Laminae











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