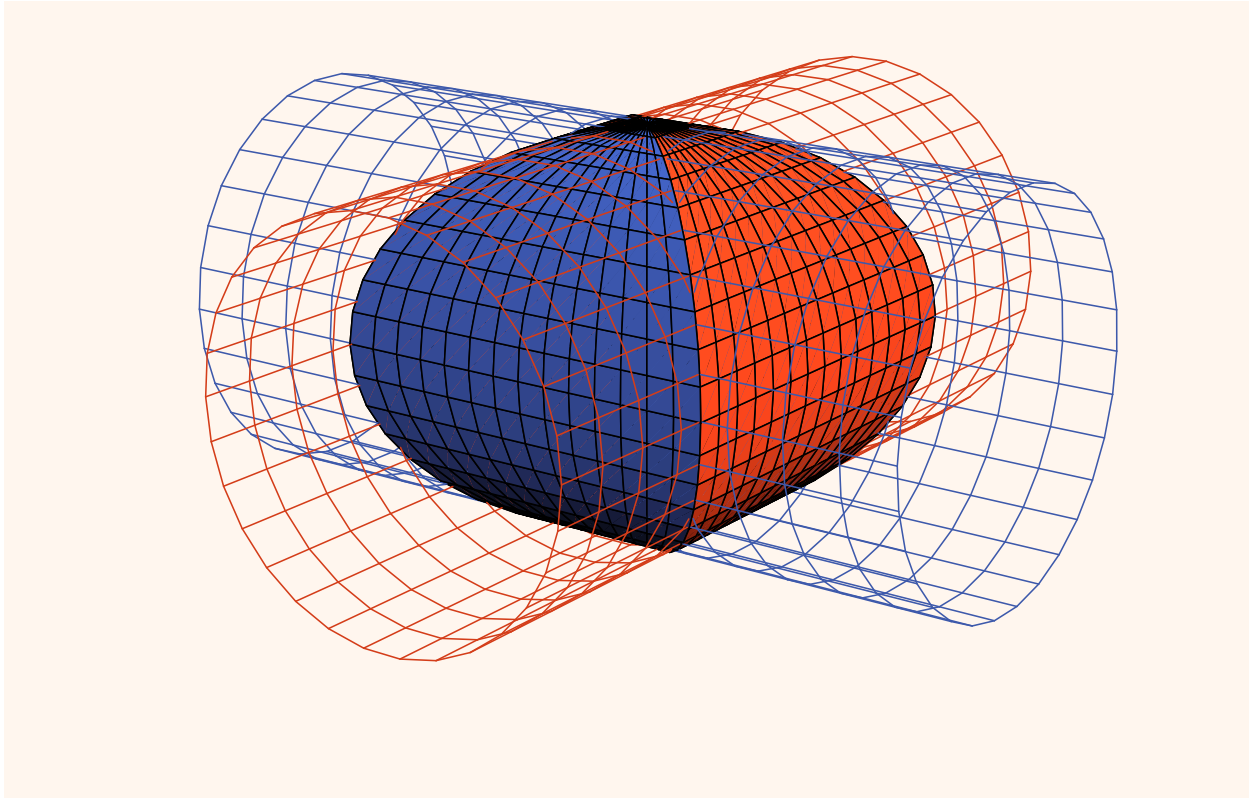


## Intersecting Cylinders

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- Two cylinders each with a radius of  $R$  intersect at right angles as shown in the diagram. Find the volume of the intersecting region.



- Turn In a complete typed write-up. In your *Final Thoughts* section, be sure to include a discussion of why your answer makes sense. Other thoughts are welcome.