Algorithm breakdown for Kelly and Alan

Given algorithm:

Symbolic equation for the volume of an entire ellipsoid using the algorithm

* θ will range from
* φ will range from 0 to π
* ρ will range from 0 to 1 (it is eliminated in the triple integral which is why it’s not present in the symbolic definite integral, which is the algorithm)

Plugging in bounds for φ and θ that are increments of will also yield a positive accurate answer.

Say for example a user wanted to calculate the upper left quarter of the ellipsoid

* θ will range from
* φ will range from 0 to
* ρ will range from 0 to 1 (Again, eliminated from the symbolic definite integral)

\*\*I can attach send another word document like this one that shows how ρ is eliminated in the triple integral if you’d like to see it\*\*

I hope this helps explain the way the algorithm works