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Hyperbolic Geometry and God

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Hyperbolic Geometry and God

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Presidential Seminar

September 18, 2013

Who Cares?

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- *Is God a Mathematician?*
 - Mario Livio (astrophysicist) , 2009

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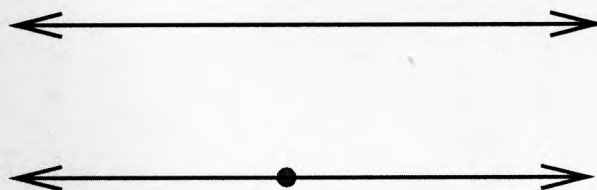
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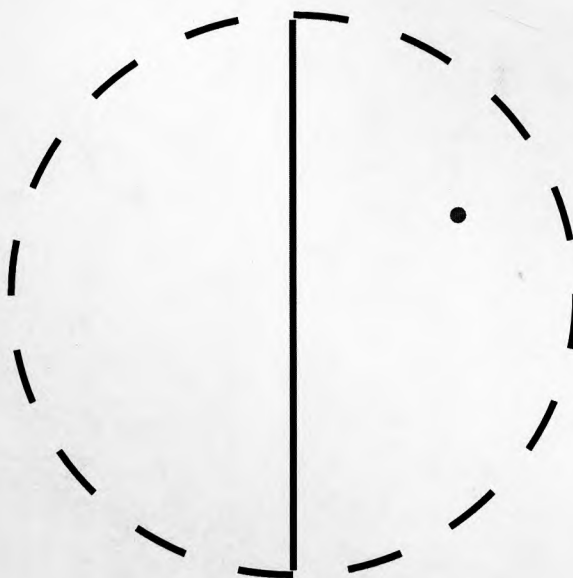
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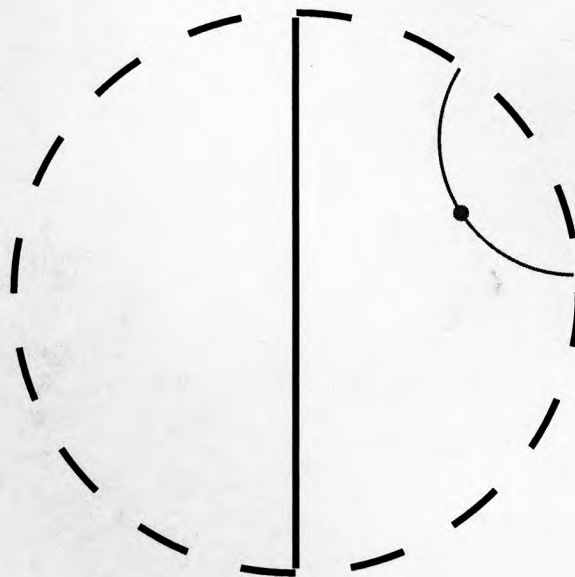
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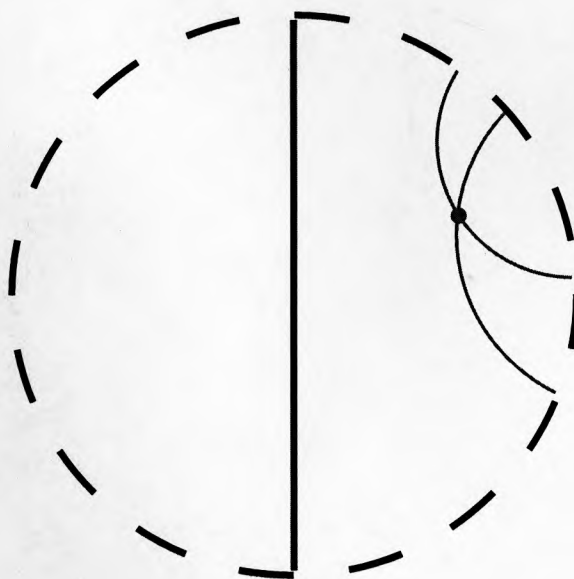
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Hyperbolic Geometry

"Which of these geometries does the divine practice?"

-Livio

Model of the Divine

- Theism
- God is:
 - ① perfectly powerful
 - ② perfectly knowing
 - ③ perfectly benevolent

Infinite Power

- Should be more than 1 geometry.
- “mathaphors”
- God can view the infinite: Augustine’s City of God

Infinite Knowledge

- 5 axioms in the mathematical model: Steinhart
 - ① Some divine ideas are the simplest divine ideas.
 - ② Simpler divine ideas are combined in all possible ways to make more complex divine ideas.
 - ③ Every increasing series of degrees of knowledge in the divine mind has a limit degree.
 - ④ Some divine ideas are infinitely complex.
 - ⑤ God has an idea of every mathematical object.

Infinite Benevolence

- Actualizing a universe
- Making it active.

