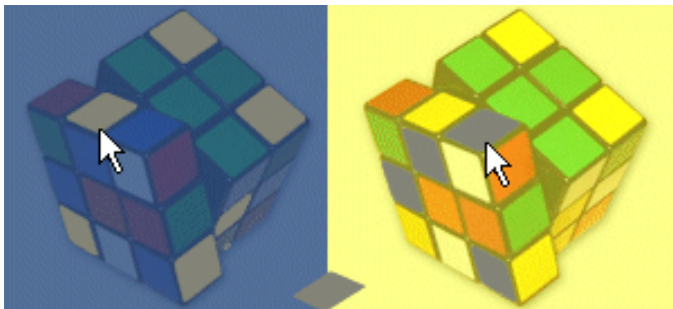


Mathematical Revolutions Change Society & Culture

Acknowledge: Jeff Goodman

- They require imaginative leaps
- Understanding what we are seeing is complicated by filters



Slide 1

- They require imaginative leaps
- Understanding what we are seeing is complicated by filters



Do you see any difference? Is there a difference?

a) yes

b) no

Slide 2

- They require imaginative leaps
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Venus



Venus



Venus



Venus



Venus



Venus



Venus



Venus



Venus



Venus



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Venus



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Venus

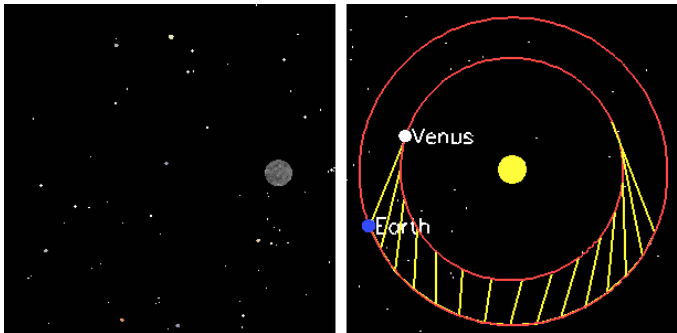


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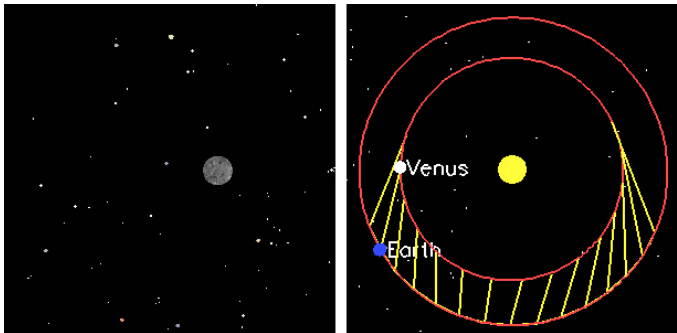
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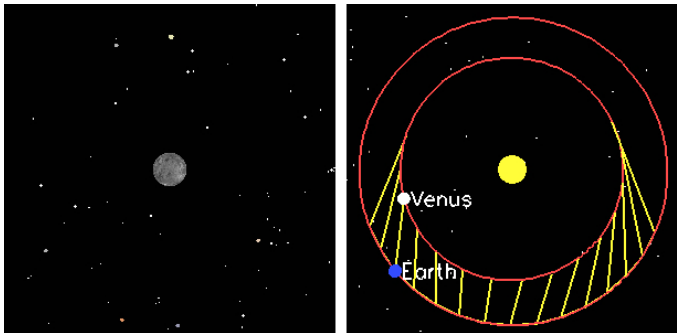
Nicolaus Copernicus (1473-1543): Heliocentric Model



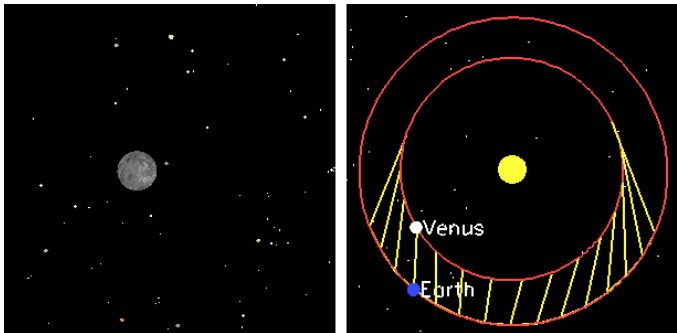
Nicolaus Copernicus (1473-1543): Heliocentric Model



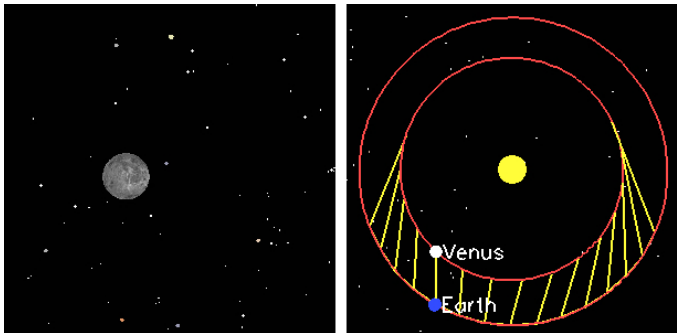
Nicolaus Copernicus (1473-1543): Heliocentric Model



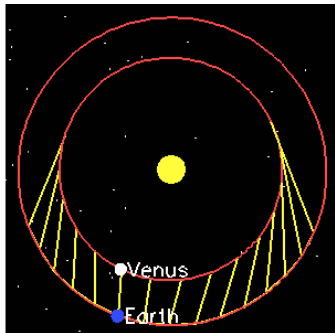
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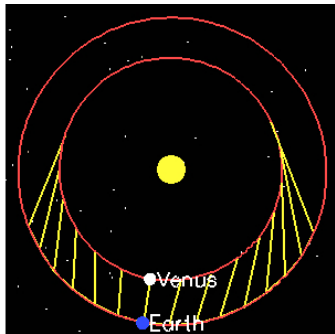
Nicolaus Copernicus (1473-1543): Heliocentric Model



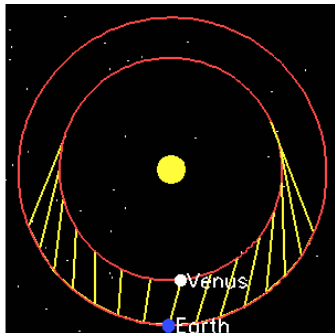
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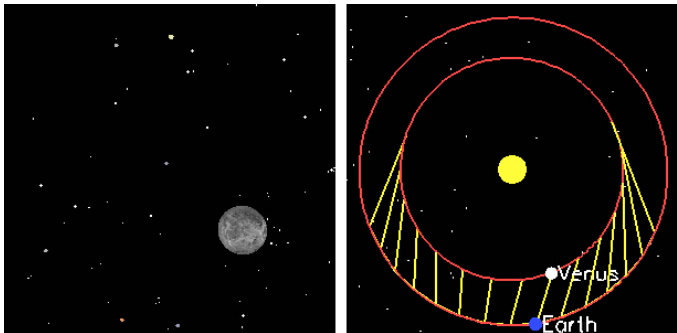
Nicolaus Copernicus (1473-1543): Heliocentric Model



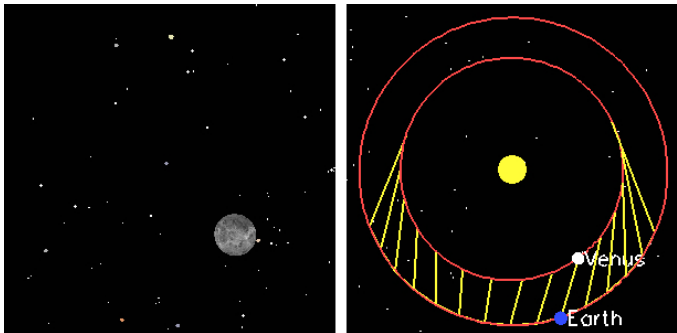
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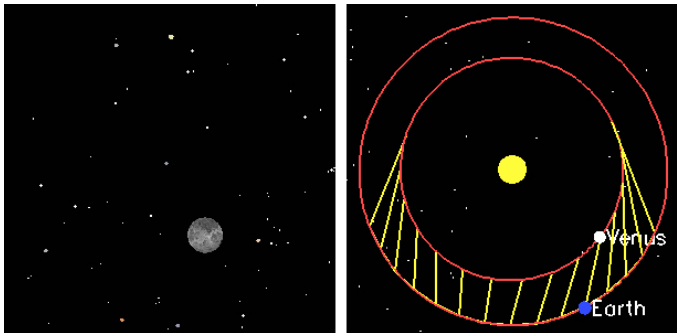
Nicolaus Copernicus (1473-1543): Heliocentric Model



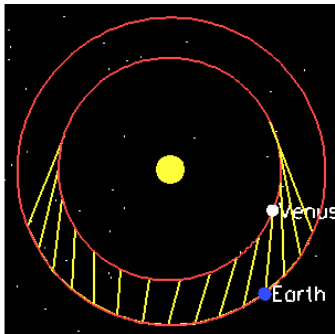
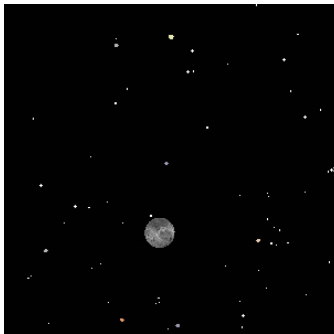
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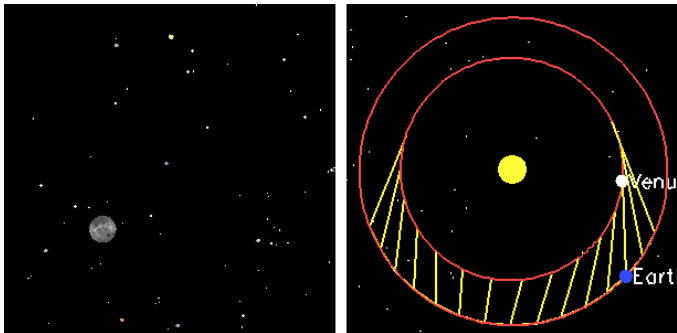
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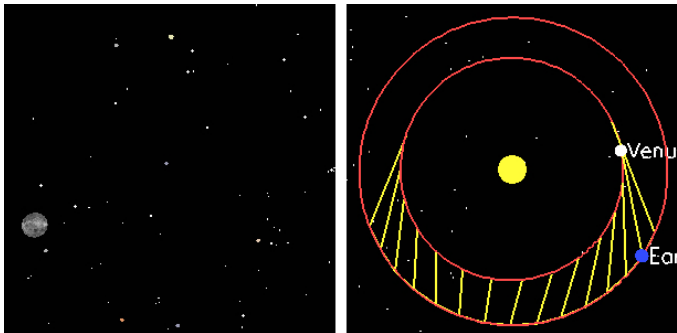
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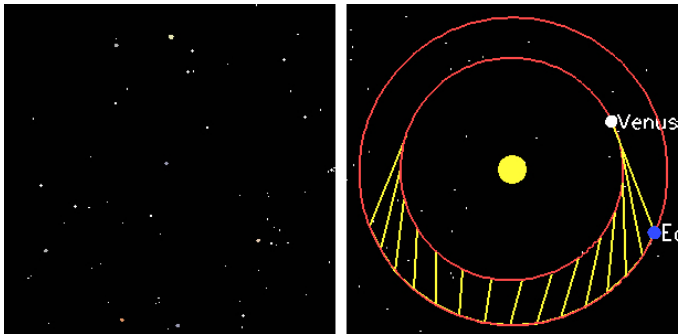
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- They require imaginative leaps
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- Understanding what we are seeing is complicated by filters
- Resistance to new ideas comes about because, invariably, new problems arise from them (ellipses, perturbations of Uranus)