

GLASS $1\frac{1}{2}$ FULL

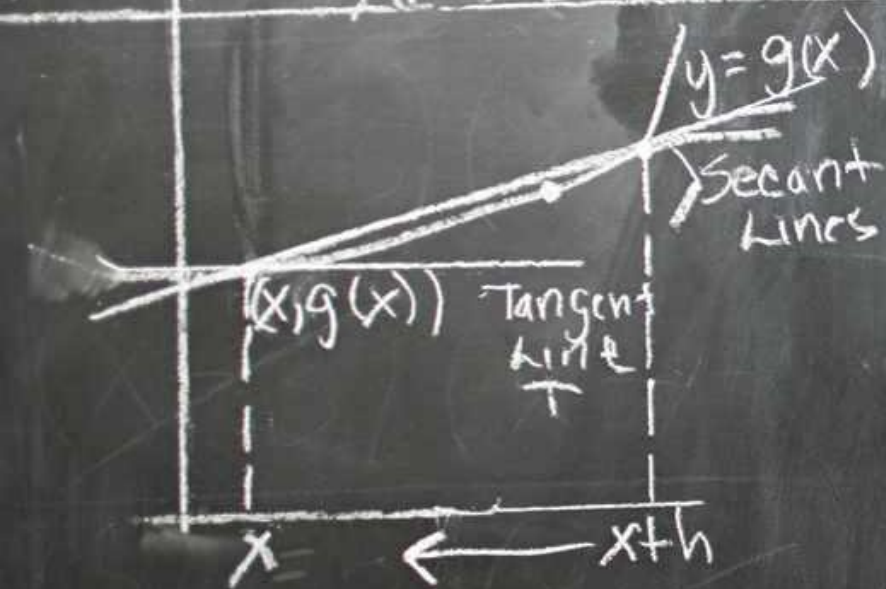
ROMANS 8:16–30
FEBRUARY 12, 2023







$$\text{Slope}(S) = \frac{y_1 - y_0}{x_1 - x_0} = \frac{g(x+h) - g(x)}{(x+h) - x} = \frac{g(x+h) - g(x)}{h}$$



$$\text{Slope}(T) = \lim_{h \rightarrow 0} \frac{g(x+h) - g(x)}{h}$$

$$\frac{df}{dx}$$

$$\frac{d}{dx}(x^n) = nx^{n-1}$$

$$= \lim_{h \rightarrow 0} \frac{h(2x+h)}{h}$$

$$= \lim_{h \rightarrow 0} (2x+h)$$

$$f'(x) = \lim_{h \rightarrow 0} \frac{f(x+h) - f(x)}{h}$$

$$f(x) = \lim_{h \rightarrow 0} \frac{(x+h)^2 - x^2}{h}$$

$$= \lim_{h \rightarrow 0} \frac{x^2 + 2xh + h^2 - x^2}{h}$$

$$= \lim_{h \rightarrow 0} \frac{2xh + h^2}{h}$$

$$= \lim_{h \rightarrow 0} \frac{h(2x+h)}{h}$$

$$= \lim_{h \rightarrow 0} (2x+h)$$

$$= \lim_{h \rightarrow 0} \frac{x+h-x}{h(\sqrt{x+h} + \sqrt{x})}$$

$$= \lim_{h \rightarrow 0} \frac{h}{h(\sqrt{x+h} + \sqrt{x})}$$

$$= \lim_{h \rightarrow 0} \frac{1}{\sqrt{x+h} + \sqrt{x}}$$

$$= \frac{1}{2\sqrt{x}}$$

$$f(x) = \lim_{\Delta x \rightarrow 0} \frac{f(x+\Delta x) - f(x)}{\Delta x}$$

$$f(a) = \lim_{h \rightarrow 0} \frac{f(a+h) - f(a)}{h}$$

$$f'(a) = \lim_{h \rightarrow 0} \frac{f(a+h) - f(a)}{h}$$





numerum rationalium terminorum in numerum infinitorum irrationalium,
 sensu aggregatum terminorum in numerum infinitorum irrationalium,
 multitudine infinitum esse irrationale. Utrumque instantis ~~refuto~~ ^{admittit}
 contraria patitur; nam ~~ita potest~~ ^{ita potest} ~~esse series infinita~~ ^{esse series infinita} ~~numerosum~~ ^{numerosum}
 ratio. Nam ~~potest~~ ^{potest} ~~esse series infinita~~ ^{esse series infinita} ~~numerosum~~ ^{numerosum}
 cuius numerus ~~est~~ ^{est} ~~finite~~ ^{finite} ~~irrationali~~ ^{irrationali} ~~dato~~ ^{dato} ~~equale~~ ^{equale} ~~exempli causa si~~ ^{exempli causa si}
 quadrati latus sit 1. poterit diagonis valor ~~expressus~~ ^{expressus} ~~tali serie~~ ^{tali serie}

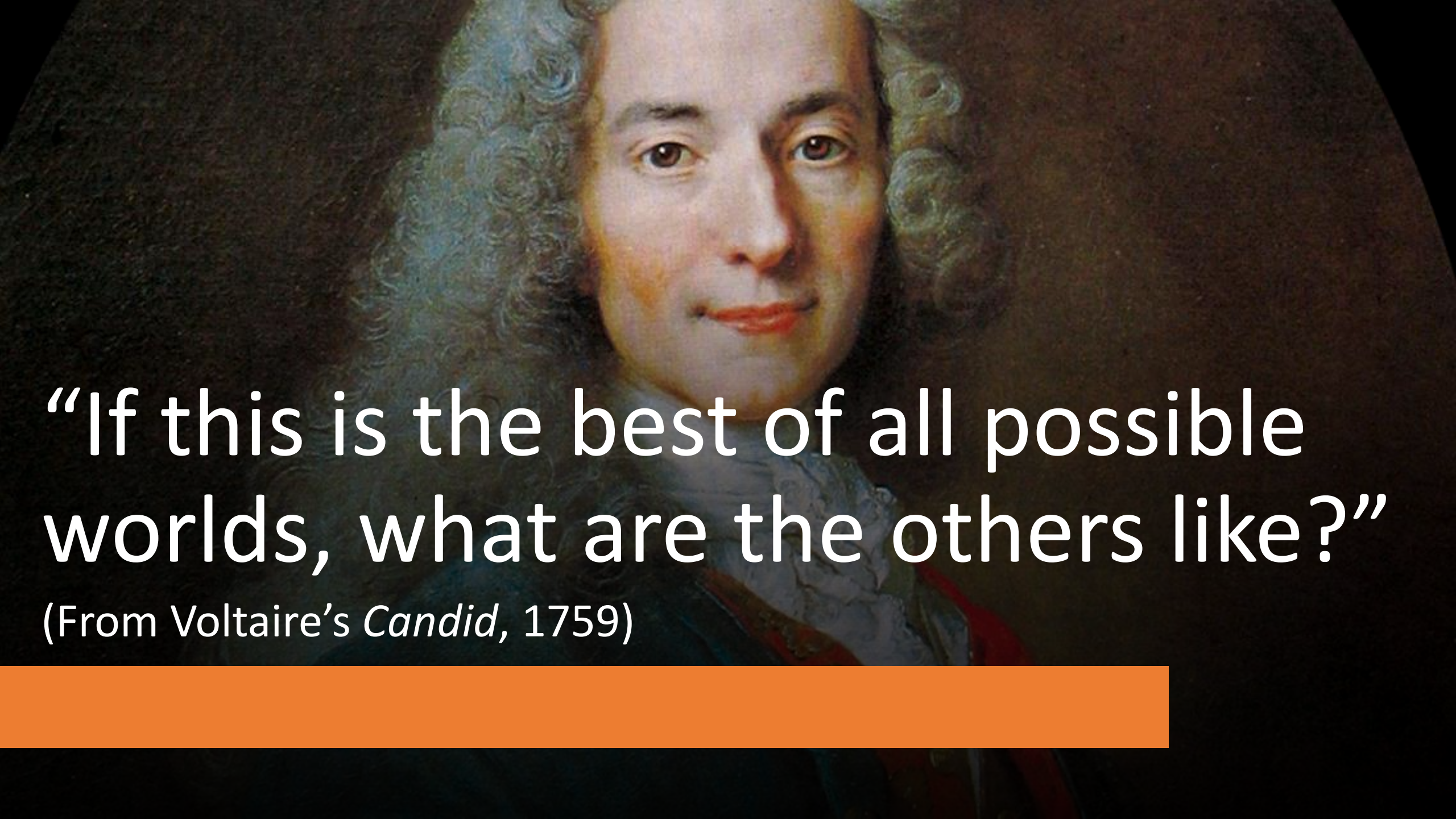
$$\sqrt{2} = \frac{3}{2} - \frac{1}{1.2; 4} + \frac{1.3}{1.2.3; 8} - \frac{1.3.5}{1.2.3.4; 16} + \frac{1.3.5.7}{1.2.3.4.5; 32} - \frac{1.3.5.7.9}{1.2.3.4.5.6; 64} \dots$$

$$\text{seu } \sqrt{2} = \frac{3}{2} - \frac{1}{8} + \frac{1}{16} - \frac{5}{128} + \frac{7}{256} - \frac{7}{3072} \dots$$

ubi si series continetur aliquando, error ~~semper~~ ^{semper} ~~erit~~ ^{erit}
 minor proximo termino, seu primo uniformis, ~~in~~ ⁱⁿ ~~terminum~~ ^{terminum}
 dato maior vel ipso minor; et ita continuata, erit
 error ~~erit~~ ^{erit} ~~minor~~ ^{minor} ~~dato quovis~~ ^{dato quovis} ~~et explicanti patebit~~ ^{et explicanti patebit} ~~Ad hoc tota~~ ^{Ad hoc tota}
 series rationalium ~~aliquando~~ ^{aliquando} ~~hic quod sit~~ ^{hic quod sit} ~~irrationali~~ ^{irrationali} ~~impossibile~~ ^{impossibile} ~~fractio~~ ^{fractio}
 si ~~difficili~~ ^{difficili} ~~nam~~ ^{nam} ~~possunt~~ ^{possunt} ~~infinito~~ ^{infinito} ~~ordinate~~ ^{ordinate} ~~irra~~ ^{irra}
 tionalis, componentes aream rationalem. Exemplo sit
 parabola cuius ordinis parametro existente rationali, et partibus
 abscissis ~~abscissis~~ ^{abscissis} ~~quodlibet~~ ^{quodlibet} ~~parvo~~ ^{parvo} ~~intervallo~~ ^{intervallo} ~~differ~~ ^{differ} ~~infinito~~ ^{infinito} ~~parvo~~ ^{parvo} ~~intervallo~~ ^{intervallo}



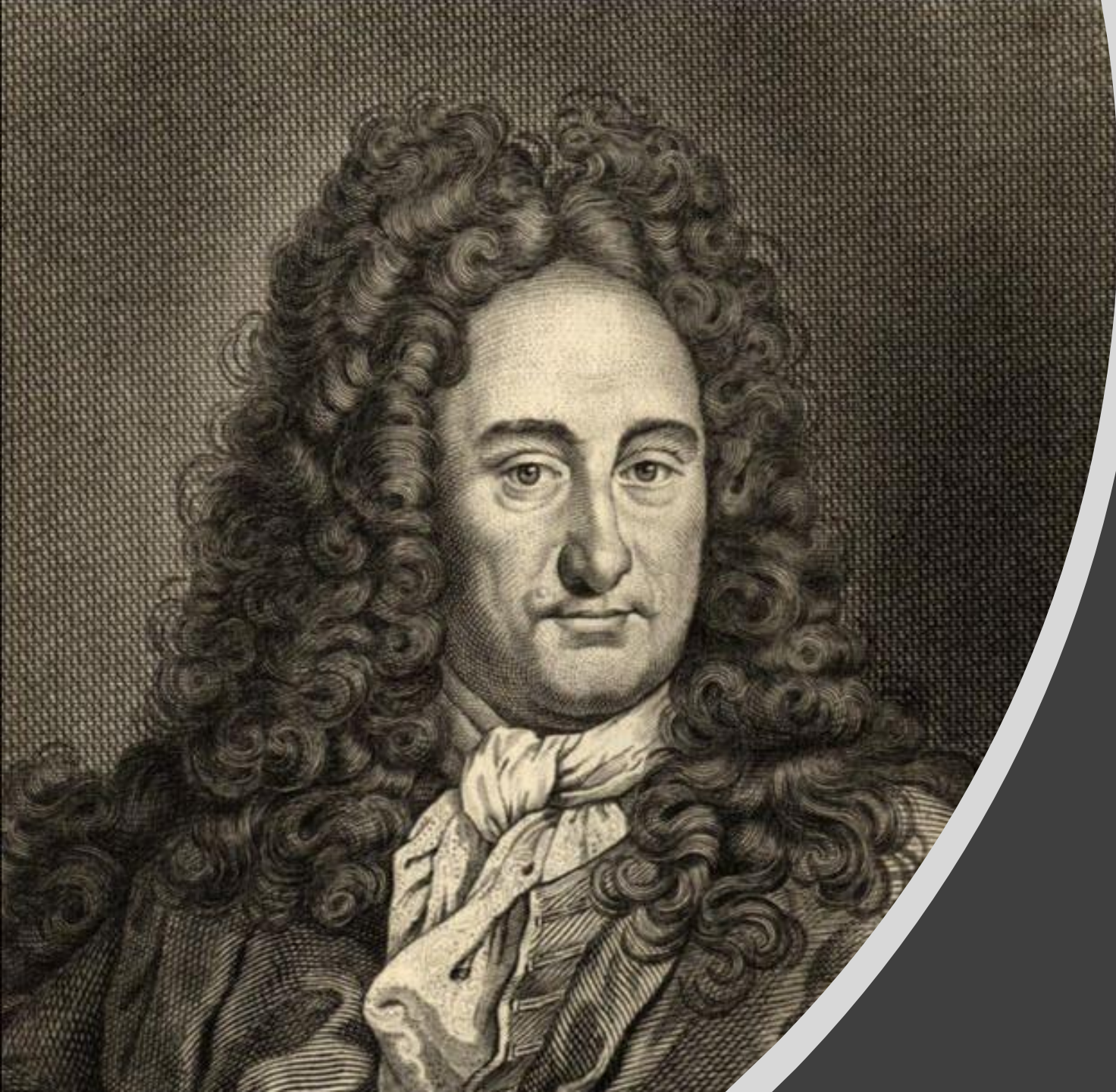




“If this is the best of all possible worlds, what are the others like?”

(From Voltaire's *Candid*, 1759)





“THE BEST OF
ALL POSSIBLE
WORLDS”

“You have known the world only since the day before yesterday, you see scarce farther than your nose, and you carp at the world. Wait until you know more of the world... and you will find there a contrivance and a beauty transcending all imagination. Let us thence draw conclusions as to the wisdom and the goodness of the author of things, even in things that we know not. We find in the universe some things which are not pleasing to us; but let us be aware that it is not made for us alone.... [W]e shall be happy in it if we wish to be.”
(From Gottfried Wilhelm Leibniz’s *Theodicy*, 1710)





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ROMANS 8:16–30
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Happy Now



if not, you should be

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ROMANS 8:16–30
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Romans 8:18-30 (ESV): “The Spirit himself bears witness with our spirit that we are children of God, **17** and if children, then heirs—heirs of God and fellow heirs with Christ, provided we suffer with him in order that we may also be glorified with him. **18** For I consider that the sufferings of this present time are not worth comparing with the glory that is to be revealed to us. **19** For the creation waits with eager longing for the revealing of the sons of God....”

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“...**20** For the creation was subjected to futility, not willingly, but because of him who subjected it, in hope **21** that the creation itself will be set free from its bondage to corruption and obtain the freedom of the glory of the children of God. **22** For we know that the whole creation has been groaning together in the pains of childbirth until now. **23** And not only the creation, but we ourselves, who have the firstfruits of the Spirit, groan inwardly as we wait eagerly for adoption as sons, the redemption of our bodies....”

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“...**24** For in this hope we were saved. Now hope that is seen is not hope. For who hopes for what he sees? **25** But if we hope for what we do not see, we wait for it with patience. **26** Likewise the Spirit helps us in our weakness. For we do not know what to pray for as we ought, but the Spirit himself intercedes for us with groanings too deep for words. **27** And he who searches hearts knows what is the mind of the Spirit, because the Spirit intercedes for the saints according to the will of God....”

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“...**28** And we know that for those who love God all things work together for good, for those who are called according to his purpose. **29** For those whom he foreknew he also predestined to be conformed to the image of his Son, in order that he might be the firstborn among many brothers. **30** And those whom he predestined he also called, and those whom he called he also justified, and those whom he justified he also glorified.”

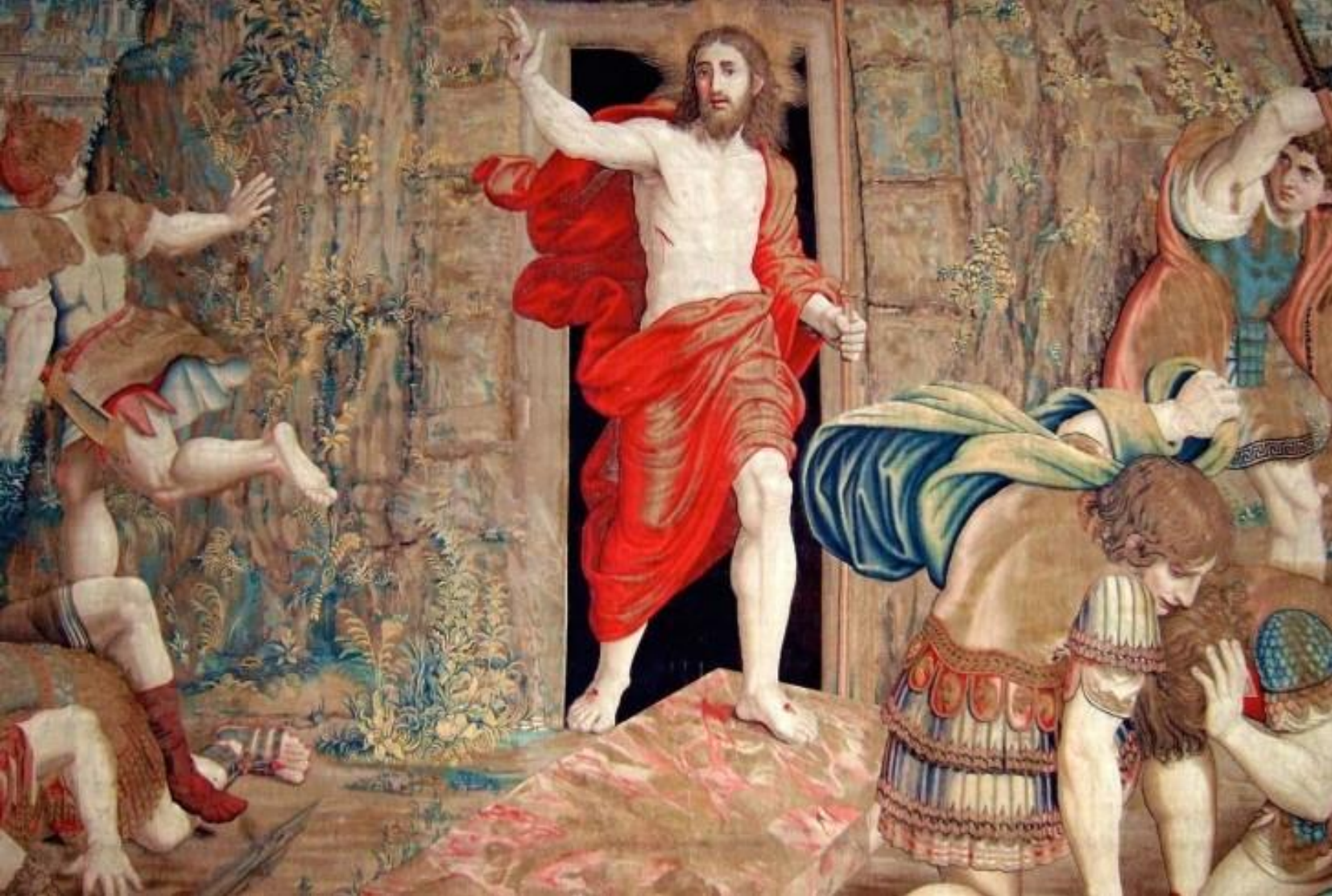
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John 11:25 (ESV): “I am the resurrection and the life. Whoever believes in me, though he die, yet shall he live.”



Titus 3:4-8 (ESV): “But when the goodness and loving kindness of God our Savior appeared, 5 he saved us, not because of works done by us in righteousness, but according to his own mercy, by the washing of regeneration and renewal of the Holy Spirit, 6 whom he poured out on us richly through Jesus Christ our Savior, 7 so that being justified by his grace we might become heirs according to the hope of eternal life.”

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Luke 15:31 (ESV): “Son, you are always with me, and all that is mine is yours.”



Hebrews 1:2 (ESV): “In these last days he has spoken to us by his Son, whom he appointed the heir of all things, through whom also he created the world.”





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1 Corinthians 2:9 (ESV): “No eye has seen,
nor ear heard, nor the heart of man
imagined, what God has prepared for
those who love him.”



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WE CAN'T SAY THE WORLD IS GETTING
WORSE
WHEN WE DON'T EVEN KNOW WHAT'S
BEST.

MAIN POINT



龍池三浴歲駸、空抱馳驅報主心、牽向
朱門問高價、何人一顧值千金
七十五叟杭郡金農畫詩書



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Ecclesiastes 7:14 (ESV): “In the day of prosperity be joyful, and in the day of adversity consider: God has made the one as well as the other, so that man may not find out anything that will be after him.”



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STOP

STEWING

OVER

WHAT'S BEST;

START

DOING

MORE OF

WHAT'S GOOD.

APPLICATION



Act 1:6-8 (ESV): “So when they had come together, they asked him, ‘Lord, will you at this time restore the kingdom to Israel?’ 7 He said to them, ‘It is not for you to know times or seasons that the Father has fixed by his own authority. 8 But you will receive power when the Holy Spirit has come upon you, and you will be my witnesses in Jerusalem and in all Judea and Samaria, and to the end of the earth.’”

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Happy Now



next week: acts 2:42-47