

Golden Ratio Point of the Earth

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Is there a Golden Ratio point of the Earth?

It has been claimed that the Golden Ratio of the Earth is in Mecca. (See [archived website](#) or video on [Vimeo](#) or [YouTube](#).) Is this true?

Latitude

Let's first look at latitudes. Phi to 15 places is 1.6180339887499. There are 180 degrees between the North Pole and the South Pole, so 180 divided by Phi is 111.2461179749810. As latitudes are expressed in degrees and distance from the Equator, we subtract 90 degrees and convert this to a latitude of 21 degrees, 14 minutes and 46.02 seconds, North or South.

The latitude of Mecca, according to Google Earth, is 21 degrees, 25 minutes and 38.56 seconds. This puts it only 10 minutes and 52.54 seconds north of the exact northern golden ratio latitude of the Earth. This is a variance of less about 1/10 of a percent, about 12 miles or 20 kilometers north of the exact golden ratio latitude point.

Longitude

Latitudes have a clear reference point of origin that is determined by the poles defined by the Earth's axis of rotation. Selecting the

origin point of the longitudes is not as clear as there is no single definitive reference point. Those who claim Mecca as the Golden Ratio of point of the Earth's longitudes base this on a Mercator projection of the Earth, to which a Golden Section has been overlaid using the [PhiMatrix](#) software available from this site:

One could start from any longitude to get to any location, but using a world projection is a reasonable approach. The challenge though is that there are [hundreds of different renditions of world projections](#) that vary considerably. Here's an example of others that produce similar results:

The top image is the familiar Mercator projection. The bottom image is a Peters projection which eliminates the bias of the Mercator to highlight the Northern hemisphere. Rather than use an image subject to interpretation to determine the golden ratio of the latitude, perhaps it is better to use actual longitude measurements.

If you accept the premise that a world projection map that divides East and West is the right foundation, the most accurate starting longitudinal reference point would then be the midpoint between Alaska and Russia at 168 degrees, 52 minutes and 42 seconds found in the satellite photo below. Using this as a starting point, the Golden Ratio point falls at 31 degrees, 22 minutes and 16.05 seconds, which is 938 km to the west of Mecca, which according to Google Earth is at 39 degrees, 48 minutes and 53.42 second East. If we use mankind's own Meridian at 180 degrees as the origin point, the Golden Ratio point is at 42 degrees, 29 minutes and 32.05 seconds, which is 298 km to the east of Mecca. The image below shows the midpoint between Alaska and Russia.

The image below shows the resulting Golden Ratio points of longitude from the midpoint at left and also from the 180 degree

meridian. Click on either image to enlarge it.

An alternate way to approach this is to start at the longitude of Mecca and move a Golden Ratio of 360 degrees away (222 degrees, 29 minutes and 32.05 seconds) to see where you land. This point is at 117 degrees, 19 minutes and 21.37 seconds West, which is inside the border of Russia as shown below. Click on the image to enlarge.

Is Mecca at the Golden Ratio point of the Earth? The answer is subject to interpretation. As one who believes in God though, the author says this:

If God exists (and I have unwaivering faith He does) and wanted to make His existence known with absolute certainty He could do so in many ways. The God I have come to know though Jesus Christ gives us a choice to accept Him, out of His love for us. He gives us all the signs and evidence we need to sense His love and presence but always leaves enough margin for doubt so that we come to Him out of our own choice of faith and love, and not because there is no other alternative but to do so. He loves us, and desires our love, but true love requires true choice. He speaks to us in many ways, yet sometimes we decide to not grasp or accept the message, as noted in these scripture passages:

“The heavens declare the glory of God; the skies proclaim the work of his hands. Day after day they pour forth speech; night after night they display knowledge. There is no speech or language where their voice is not heard. Their voice goes out into all the earth, their words to the ends of the world.” Psalms 19:1-4
“Though seeing, they do not see; though hearing, they do not hear or understand. In them is fulfilled the prophecy of Isaiah: ‘You will be ever hearing but never understanding; you will be ever seeing but never perceiving. For this people’s heart has become calloused; they hardly hear with their ears, and they have closed their eyes. Otherwise they might see with their eyes, hear with their ears, understand with their hearts and turn, and I would heal

them.’ But blessed are your eyes because they see, and your ears because they hear.” Words of Jesus Christ in Matthew 13:13-16

So whether it be seeing phi in the beauty of the human form or the location of one’s holy place, may our eyes, ears, heart and mind be open to the message of our Creator and God. Wherever the golden ratio point of the Earth may lie, these passages point to a deeper meaning yet in finding the place where our God would lead us to worship Him:

“Sir,” the woman said, “I can see that you are a prophet. Our fathers worshiped on this mountain, but you Jews claim that the place where we must worship is in Jerusalem.” Jesus declared, “Believe me, woman, a time is coming when you will worship the Father neither on this mountain nor in Jerusalem. You Samaritans worship what you do not know; we worship what we do know, for salvation is from the Jews. Yet a time is coming and has now come when the true worshipers will worship the Father in spirit and truth, for they are the kind of worshipers the Father seeks. God is spirit, and his worshipers must worship in spirit and in truth.” The woman said, “I know that Messiah” (called Christ) “is coming. When he comes, he will explain everything to us.” Then Jesus declared, “I who speak to you am he.” John 4:19-26

Once, having been asked by the Pharisees when the kingdom of God would come, Jesus replied, “The kingdom of God does not come with your careful observation, nor will people say, ‘Here it is,’ or ‘There it is,’ because the kingdom of God is within you.” Luke 17:20-21