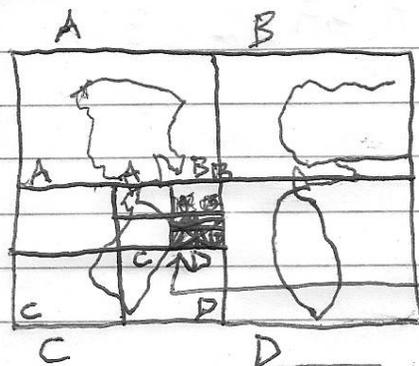


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World Map Quadrants:  
An Alternative to GPS Coordinates  
With Applications in GIS and  
Astronomy



C B D ... etc. =  $5 \cdot 13 \cdot 37 = 2405$

Primerlines:	2	3	5	7	11	13	17	19	23	29	31	37	41	...
Quadrants:	A	B	C	D	A	B	C	D	A	B	C	D	A	...

Location:  $2405 = 5 \cdot 13 \cdot 37 = CBD$

Contact: If you would like to develop this idea then please email me at [justincoslor@gmail.com](mailto:justincoslor@gmail.com).

A website could be made that translates to and from this and GPS coordinates automatically. The map can zoom in as quadrants are chosen. This could be much simpler and more succinct than GPS Coordinates.

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## Map Quadrant System -- Quadrants Within Quadrants

I invented and filed a 1-year provisional patent on an idea I call the "Map Quadrant System", which is about "quadrants within quadrants", representing locations on an Earth map or star map using either a short single string of letters or a single composite of primes number rather than a pair of GPS numbers with long trailing decimals. As "quadrants within quadrants", are chosen (using letters A, B, C, or D) it zooms in by an exponent of 4. It starts with a big picture map image, then subdivides it into four quadrants, of which one letter is chosen (A=upper left, B=upper right, C=lower left, D=lower right) and then it zooms in on that quadrant and does it again and again to any desired depth of detail. For example, in just 3 short symbols (such as "CBD") it zooms in 64 times (note:  $64=4^3$ ). It succinctly zooms in farther and farther.

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Map Quadrant System Grid Migration

(I designed this idea as an update to my MQS (Map Quadrant System) Grid Migration idea, on Saturday 11/3/2018 JMC.)

(MQS maps/images can have one or more landmarks for the object(s) to reference.)

Track the straight line distance from one zoomed-in map box to another by zooming in the same number of times and calculate the rectangular box width scale and box height scale at each level such that the zoomed-in quadrant box is treated as a pixel whose center is a point. Then zoom out all the way and use the Pythagorean Theorem ( $X^2 + Y^2 = Z^2$  and solve for  $Z$ ), with the correct pixel size, to find the distance between the two locations. Re-compute this process every second or less with fresh optics/radar/sonar to track a moving object. A moving object or moving target alone (or in reference to another pixel or many objects) can each leave a plotted trail in the MQS and possible future locations can be predicted based on the vectors of the object(s).

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Map Quadrant Grid Migration

	A		B	
	AA	AB	BA	BB
	AC	AD	BC	BD
	CA	CB	DA	DB
	CC	CD	DC	DD
C				

If the target/car goes into a different quadrant, the sequence letters/numbers for it would change to the address letters/numbers of the quadrant next to it, at that same zoom level.

## Map Quadrant System -- Numbers vs. Letters

Instead of A and B and C and D for the quadrant labels, it can use the numbers 1 and 2 and 3 and 4. So, for example, the sequence ACDABBCDA can be written as the number 134122341. See how the number stands for the letter for each. That way it can still be a number and it is less digits than the composite of primes version that needs factoring.

1 = A = upper left quadrant.

2 = B = upper right quadrant.

3 = C = lower left quadrant.

4 = D = lower right quadrant.

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## Map Quadrant System Applications

Phone and cellphone ~~and~~ and computer and various  
websites and apps.

Geographical Information Systems

Surveying and map making and legend charts  
Earth Maps and Non-standard Maps.

Maps of planets and moons.

Astronomy and Cosmology <sup>and space</sup> science.

Spaceship Navigation Automation.

Microscopy and medical science/research.

Slides and photo negatives <sup>and plates</sup>

Photos of anything, also <sup>of multiple slides</sup> brain scans

Earth Navigation <sup>and body scans</sup> & Road Navigation

Shipping and postal service  
Tracking Moving Targets/Objects

Such as with Grid Navigation  
Fractal zooming and Fractal Navigation

Troop deployment and anything military

Student education and GPS receiver updates