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The Q-B Solution

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Abstract

In this paper, we use Euler's Formula and Astrotheology Physics to determine the mathematical mechanism that may be used by the Fed. Chairman to set interest rates and projected inflation. I call this "Cusack-Bernanke Solution "or the "Q-B Solution."

Keywords

Introduction

I expected, the Fed Chair's job is to maintain a straight line between a too hot economy and a too cold one [1,2]. How does he do that? He must keep the pressure on the economy just right. Here's how:

Euler's' Formula:

$e^{(iPi)}=-1$

So,

$1/2\ e(1-iS) = 1/2\ e(1+iS)$

We know i=0.618, and cuz=Pi-e=0.4233

So solving:

$t(1-0.i)S=(1+i)S\ (t+dt)$

$(1-0.618)\ t=(1+0.618)S(t+dt)$

$t=1.618/0.38(t+dt)$

$\int t/dt=\int 4.23$

$t^2=4.23t$

$t=4.23$

$t=67.35\%\sim 2/3$

For a full economic cycle $=2\pi$

$t(4.23(t+dt)$

$2/3=4.23(2/3)+4.23dt$

$3.23=6.28dt$

$dt=2\pi/3.23$

$dt=6.28/3.28\sim 2$

$t-dt=2/3+2=0.2666$=F Force

$F=Ma=0.2666=M(0.8415)$

$M= 0.318=1/\pi$

Maximum Output=0.8415=81.45=sin 45°=cos 45∘=a=v

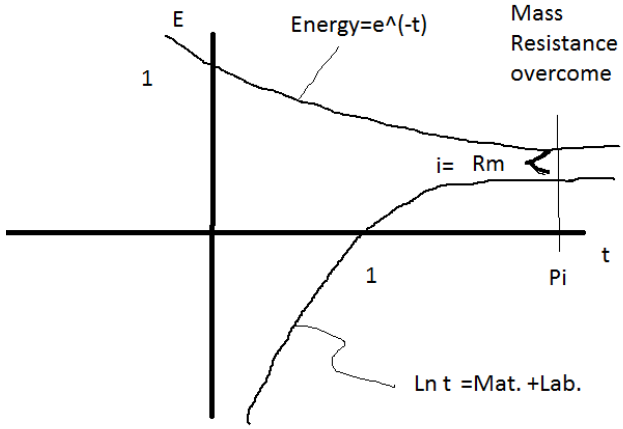

Figure 1: Graphical representation of the balance between too much pressure and too little.

Work W=F*d

Energy E= W= M$=Money Supply

Balance between too much pressure and too little,

Sin 45=cos 45

E=1/sqrt 2

We know from basic physics:

D=vit+1/2 at^2

0.265=0+1/2 (0.707)t^2

T=0.866=sin 60 degrees

Work=stored money=M$

M$=1/t* 1/t

M$/ frequency=1/t

=1/t^2

T=0.1/0.75=4/3=0.1334

M$=0.4244~(Pi-e)=cuz

M$=0.4233 %

Now, if i=0.04244, And Inflation=2%,

Real rate i=0.04244-0.02=0.0224 Or 2.214%

Plugging this into the Golden Mean Parabola,

T^2-t-1=E

(2.24)^2-2.24-1=1.777=sqrt Pi

Volume of a sphere=4/3 Pi R^3

Vol=E=0.4244

4/3Pi * R^3=0.4244

R=2.14

=1-Pi

Area=PiR^2

=Pi* 2.14^2=14.38

1-R/100=58.8 degrees=~1 rad

Coreference=2PiR

=2Pi* (2.14)

=13.43

1=13.43/100=0.866=sin 60 degrees

=Supe force

Considering the GDP Equation:

GD=Y=G+I+C-S

Ln PI= 17%+4.4244%+C-(1/7)%

1.1447=6.95%+C

C=1+(1/7)

=7.52%

So, again,

Y=G=I+C=S

Y-C-I=C-S

=1+(1/7)+1/7

I=1.686

But I=4.244%

So, $.244%-1.686%=2.55 %

=Inflation

The Optimum Period T=1/t=0.251

LE=1/t=T

Ln T=Ln 0.251)=1386

1-0.,1386=0.863~0.866=sin 60 degrees

=Superforce=M$

This is the pressure that the Fed Chair must keep on the economy.

So, ideally, the Money Supply should follow the sine curve over the economic cycle [3]. The influence of the combined affect of government spending, G and controlling the money supply, M$, should sum to a sine wave always.

We'll call it the Q/B=Quarter Back Solution **(Figure 1).**

Conclusion

So, the job of maintaining a constant, maximum growth of the national economy should follow the sine wave.

References

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