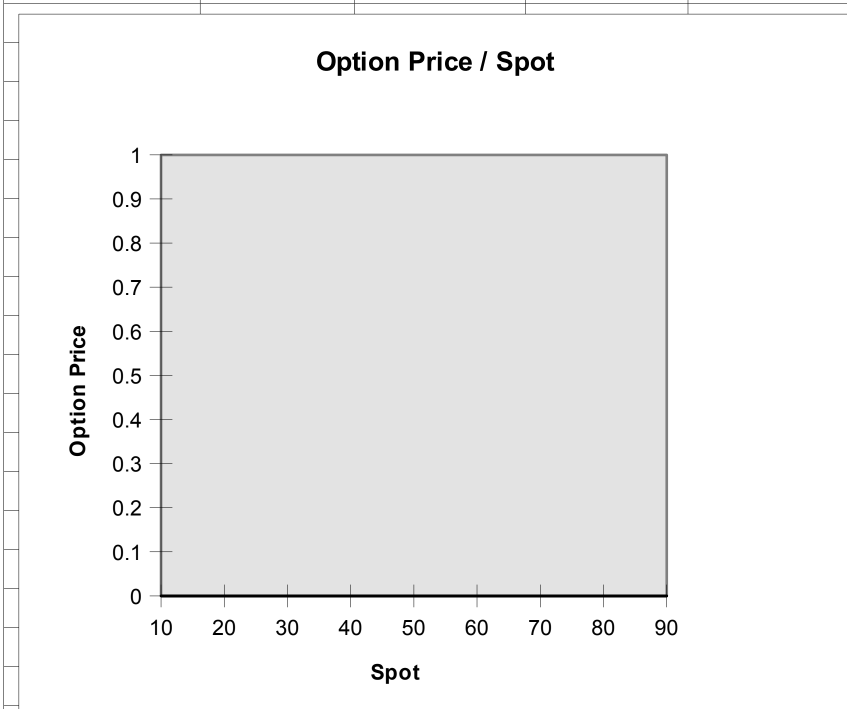
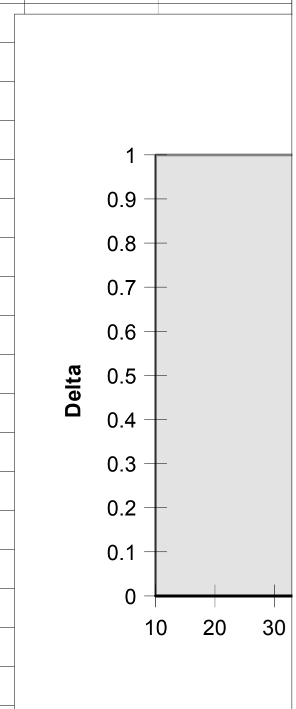
Option Details				11/10/2022
Name	Spot	Strike	Maturity	DaysToMat
XYZ	50	50	25-Dec-22	45
Dividend Details				
Annual Div Yield (%)	Div Date1	Days To Div1	Div Date2	Days To Div2
5	20-Nov-22	10	30-Nov-22	20
Compare Models				
			Annual Dividend	Semi-Annual Div
Calculate	bs model	bs_adj model	binomial model	binomial model
tv	#NAME?	#NAME?	#NAME?	#NAME?
impvol	#NAME?	#NAME?	#NAME?	#NAME?
delta	#NAME?	#NAME?	#NAME?	#NAME?
gamma	#NAME?	#NAME?	#NAME?	#NAME?
theta	#NAME?	#NAME?	#NAME?	#NAME?
vega	#NAME?	#NAME?	#NAME?	#NAME?
rho	#NAME?	#NAME?	#NAME?	#NAME?

Call	European	Intrate	Vol	Option Price
1	0	10	30	8
Div Date3	Days To Div3	Div Date4	Days To Div4	
10-Dec-22	30	###	45	
Quarterly Div				
binomial model				
#NAME?				
#NAME?				
#NAME?				
#NAME?				
#NAME?				
#NAME?				
#NAME?				

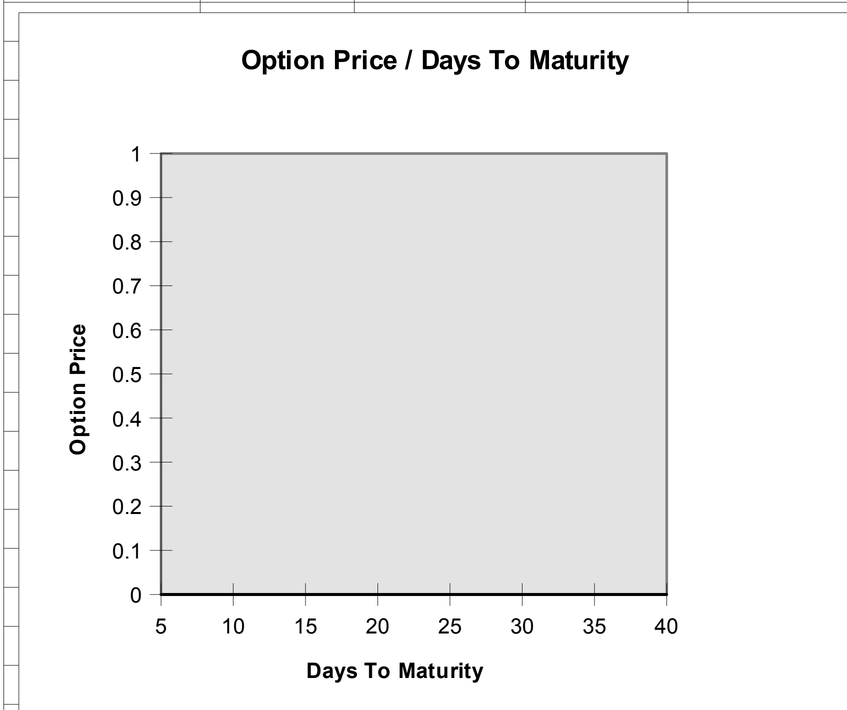
Option Details			Today's Date	11/10/2022			
Name	Spot	Strike	Maturity	DaysToMat	Call	European	Intrate
XYZ	50	50	25-Dec-22	45	1	0	10

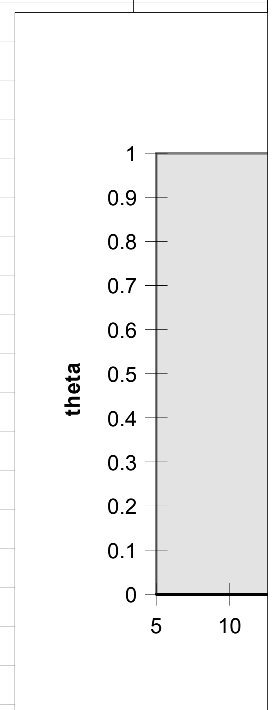
Spot Change What-If Analysis			Model Type	1			
Spot Change	Spot	Option Price	Delta	Gamma	Theta	Vega	Rho
-80%	10	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?
-60%	20	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?
-40%	30	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?
-20%	40	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?
0%	50	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?
20%	60	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?
40%	70	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?
60%	80	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?
80%	90	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?





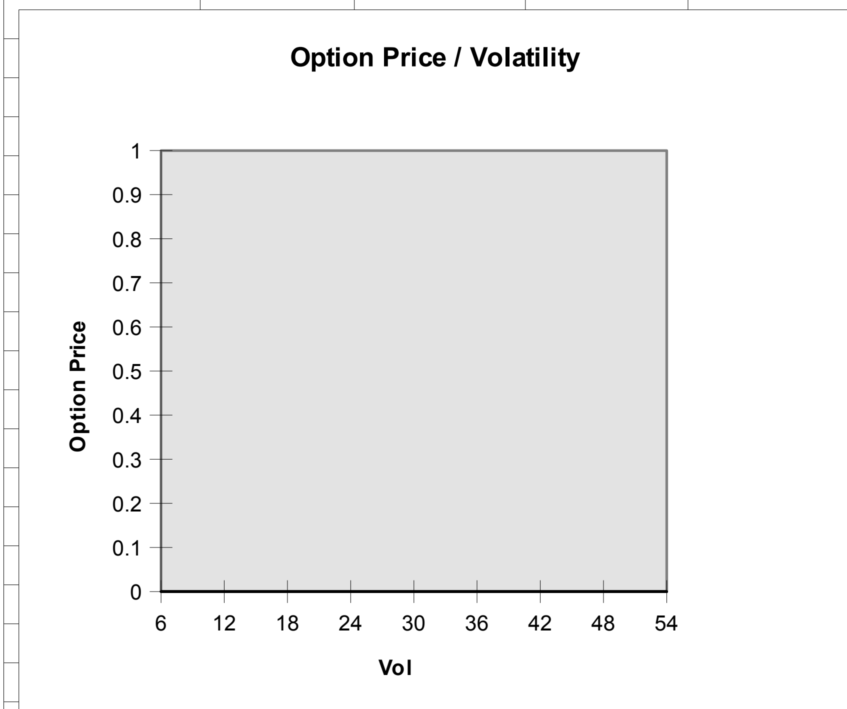
Time Change What-If Analysis			Model Type	1			
Maturity	DaysToMat	Option Price	Delta	Gamma	Theta	Vega	Rho
15-Nov-22	5	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?
20-Nov-22	10	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?
25-Nov-22	15	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?
30-Nov-22	20	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?
5-Dec-22	25	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?
10-Dec-22	30	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?
15-Dec-22	35	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?
20-Dec-22	40	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?



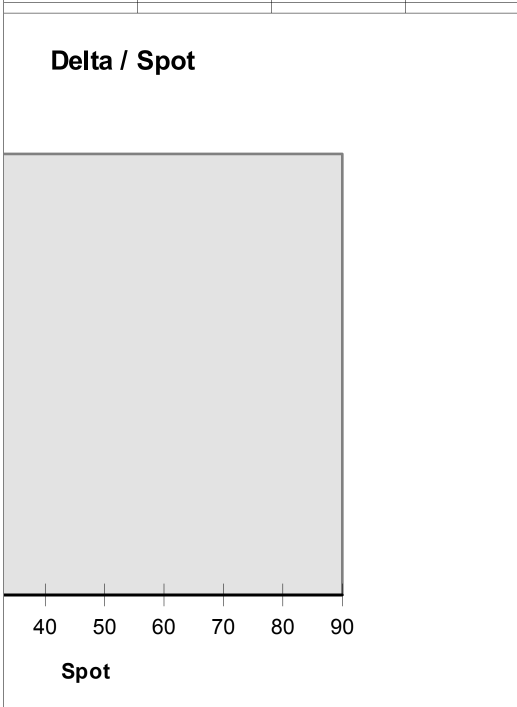


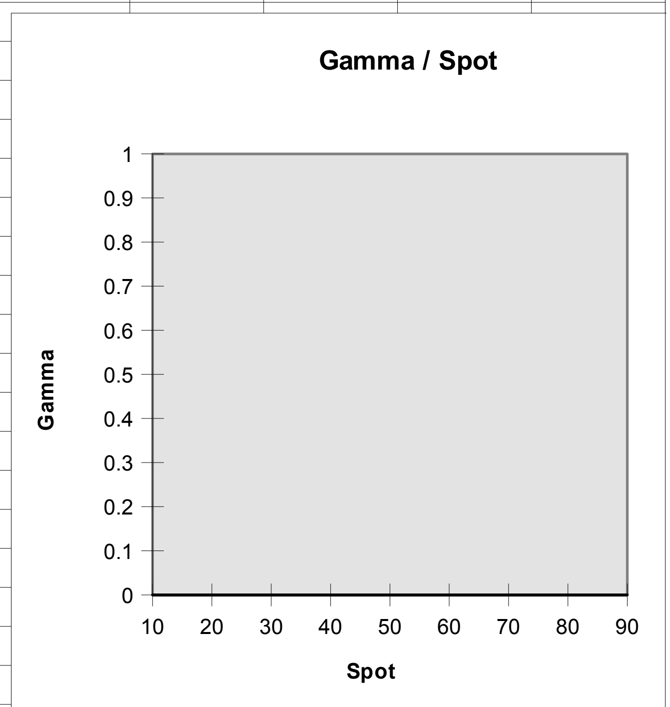
Vol Change What-If Analysis			Model Type	1			
Vol Change	Vol	Option Price	Delta	Gamma	Theta	Vega	Rho
-80%	6	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?
-60%	12	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?

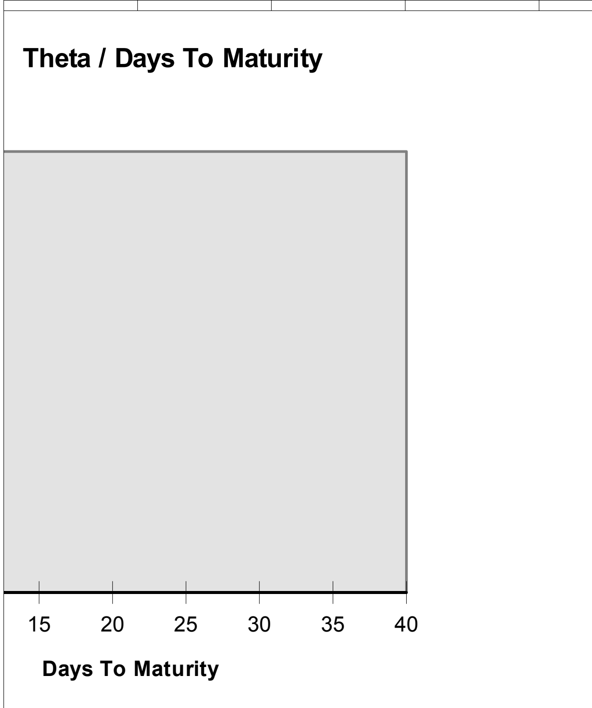
-40%	18	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?
-20%	24	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?
0%	30	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?
20%	36	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?
40%	42	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?
60%	48	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?
80%	54	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?

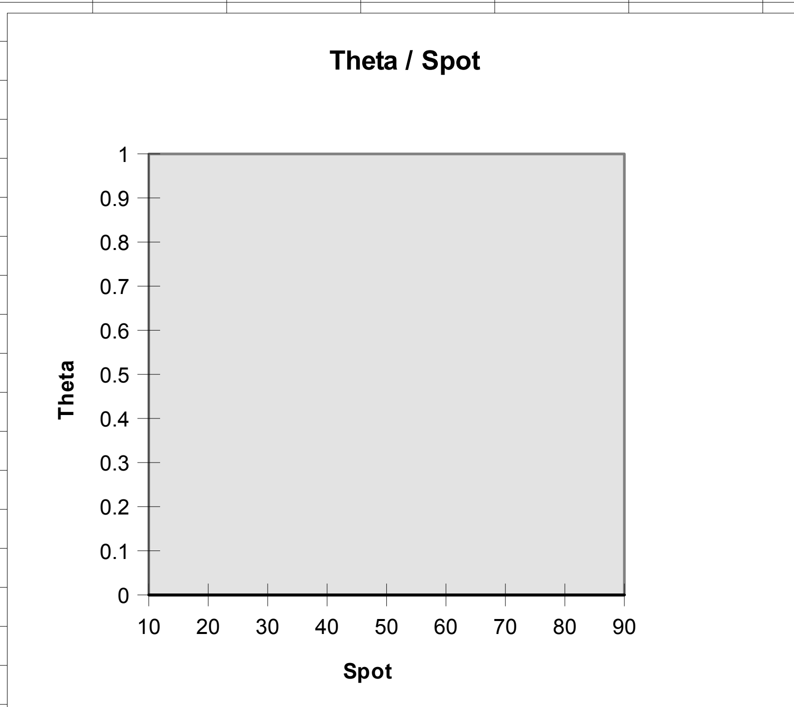


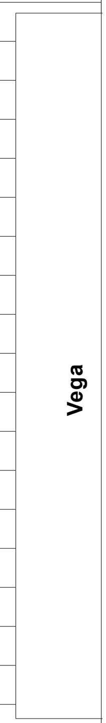
Vol	
30	

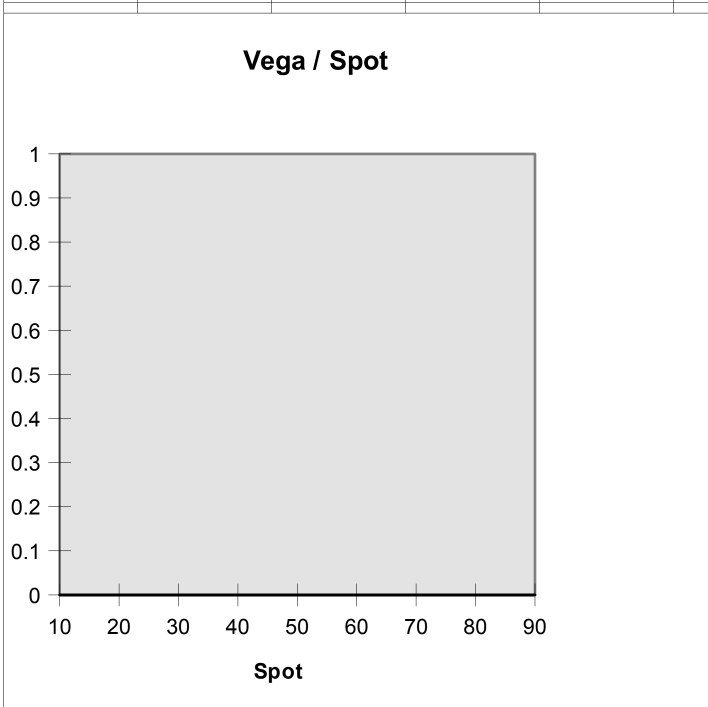

Delta / Spot
40
50
60
70
80
90
Spot

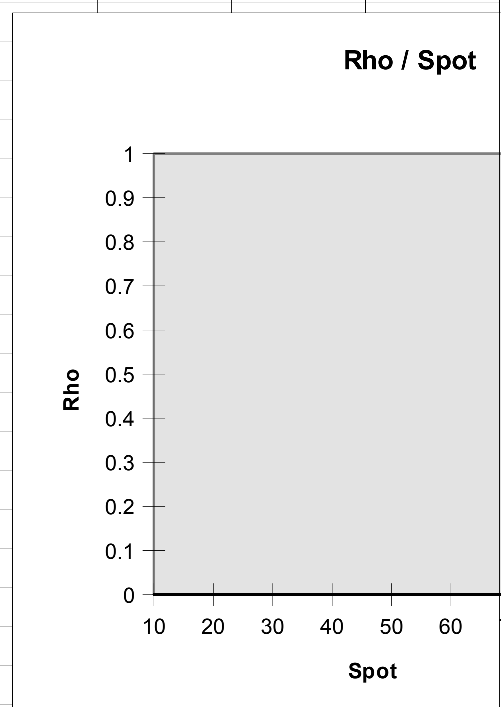

Gamma / Spot
Gamma
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
10
20
30
40
50
60
70
80
90
Spot


Theta / Days To Maturity
15
20
25
30
35
40
Days To Maturity


Theta / Spot
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
Theta
10
20
30
40
50
60
70
80
90
Spot


Vega


Vega / Spot
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
10 20 30 40 50 60 70 80 90
Spot


Rho / Spot
Rho
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
10 20 30 40 50 60
Spot


70
80
90

As a registered user, you will receive a licensed copy of the latest OPTDRV32 addin. The difference between the licensed copy and the evaluation copy is that the models are not restricted to options with short term maturity dates (45 days to maturity at most) or to interest rates equal to 10%. In such cases the evaluation copy returns #N/A.

OptDriver Parameters	**Description**
Model Type	See below
ResType	See below
Spot	
Strike	
Days to Maturity	
Interest Rate	In Percent
Call Flag	1 if Call, 0 if Put
European Flag	1 if European, 0 if American
Value	Option Price if calculating Implied Volatility, otherwise Historic Volatility
Annual Dividend Yield	In Percent (BS-Adj or Binomial Model)
Days To First Dividend	Binomial Model Only
Days To Second Dividend	Binomial Model Only
Days To Third Dividend	Binomial Model Only
Days To Fourth Dividend	Binomial Model Only
No Steps	Binomial Model Only (Default:- 25)

Note:- The order of the parameters enables models to be switched by simply changing the model type
Historic Vol, Dividend Yield and Interest Rates should always be entered in percent.

ModelType	**Model**	**Description**
1	BS	No dividends
2	BS-Adj	Annual Dividend Yield
3	Binomial	Annual Dividend Yield with upto 4 dividend dates
		10% annual yield with 2 dividend dates implies 5% dividend yield
		Note:- Annual dividend means you need only set "Days to Div1".
		Semi-Annual dividend means you need only set "Days To
		Quarterly dividend means setting all dividend dates

Restype	**Description**
1	Fair Value

2	Impiled Vol			
3	Delta			
4	Gamma			
5	Theta			
6	Vega			
7	Rho			

paid at each dividend date

User can set "Days to Div2", "Days to Div3" and "Days to Div4" to 0 but it is not necessary

Div1" and "Days to Div2". User can set "Days to Div3" and "Days to Div4" to 0 but it is not necessary