

# GATE (GANN Analysis Through Excel)

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## Module 4 – Price Analysis

### Know the Risk, Know the Reward, Know the Resistance and Support Prices

Use the GATE Risk Reward calculator to calculate the risk reward at the available entry price for the price projection based on two prior swings (top/bottom or bottom/top). Includes time projection based on these same two points.

GATE will calculate cluster prices into Resistance or into Support based on price retracements or on price projections.

GATE will calculate the price at a future date based on a trend line between two points (top to top or bottom to bottom) and show where previous swing tops and bottoms have touched this line.

GATE will calculate the price at a future date based on a Gann Angle from a selected point (any date and price, or any swing top or bottom) and show where previous swing tops and bottoms have touched this line.

GATE creates Range Fluctuations (Resistance cards) – selecting the Swing Prices to include is a simple click and select option making it very easy to create and maintain these Price References.

### Module 4 covers the following functionality:

- Calculate Major and Current Resistance cards
- Price Clusters showing all Swings contributing to these Price Levels Risk Reward Calculator
- Price Projection (includes time projection) calculator
- Price Retracements calculator – ability to Cluster Prices
- Gann Angle calculator – check how many swings have touched the angles and calculate Price for a future date
- Trend Line calculator Projecting Price for a future date

# GATE (GANN Analysis Through Excel)

Easily Find Gann Angle lines that are working in the Market

This Calculator will Calculate the Gann Angles from a given Date and Price. Previous Swings will be checked to see if they touch any of the angles.

Enter the Date and Price (Or select from the Swing List) from which you want to calculate the angles.

Date: 11/Oct/2007 Price: 1586.5 Future Date: 12-May-2010

Select the Swings from a List or Key in: Monthly Swings

Calculate

Prices at ==>12-May-2010<==

Angle	Bear	Bull
1x16	1580.6	1592.4
1x8	1574.7	1598.3
1x4	1562.9	1610.1
1x3	1555.0	1618.0
1x2	1539.3	1633.7
1x1	1492.1	1680.9
2x1	1397.7	1775.3
3x1	1303.3	1869.7
4x1	1208.9	1964.1
8x1	831.3	2341.7

Calculated Values as at the Selected Future Date

Prices at Your Selected Future Date:

Date	Price	Type	Line	Diff
26-Apr-2010	1216.7	H	-4x1	14
28-Aug-2009	1038.5	H	-8x1	16
02-Oct-2009	1012.1	L	-8x1	32

Sw Date Price H/L Trend

26/Apr/2010	1216.7	H	U
05/Feb/2010	1041.0	L	U
11/Jan/2010	1147.9	H	U
08/Jul/2009	865.5	L	U
05/Jan/2009	957.2	H	U
11/Jan/2009	865.7	L	D-SB
16/Nov/2009	942.0	H	D
17/Nov/2009	739.0	L	D
11/Aug/2008	1313.3	H	D
15/Jul/2008	1201.0	L	D
19/May/2008	1440.7	H	D
17/Mar/2008	1253.1	L	D
11/Oct/2007	1586.5	H	U-ST
16/Aug/2007	1375.0	L	U
16/Jul/2007	1566.3	H	U
17/Jun/2005	1225.2	H	D
18/Apr/2005	1135.9	L	D-SB
07/Mar/2005	1229.8	H	U-ST
24/Jan/2005	1164.5	L	U

Extract Swings that have touched the Gann Angle Line - This example shows the April 2010 High

This Calculator will Calculate the Gann Angles from a given Date and Price. Previous Swings will be checked to see if they touch any of the angles.

Enter the Date and Price (Or select from the Swing List) from which you want to calculate the angles.

Date: 05/Feb/2010 Price: 1041.0 Future Date: 6-May-2010

Select the Swings from: Weekly Swings

Calculate

Prices at ==>06-May-2010<==

Angle	Bear	Bull
1x16	1040.4	1041.6
1x8	1039.9	1042.1
1x4	1038.8	1043.3
1x3	1038.0	1044.0
1x2	1036.5	1045.5
1x1	1032.0	1050.0
2x1	1023.0	1059.0
3x1	1014.0	1068.0
4x1	1005.0	1077.0
8x1	969.0	1113.0

Prices at Your Selected Future Date:

Date	Price	Type	Line	Diff
05/Feb/2010	1041.0	L	-4x1	14
28-Aug-2009	1038.5	H	-8x1	16
02-Oct-2009	1012.1	L	-8x1	32

Sw Date Price

26/Apr/2010	1216.7
19/Apr/2010	1180.0
15/Apr/2010	1210.0
05/Feb/2010	1041.0
11/Jan/2010	1147.9
27/Nov/2009	1066.0
16/Nov/2009	1112.0
02/Nov/2009	1026.0
20/Oct/2009	1099.0
02/Oct/2009	1012.0
23/Sep/2009	1075.0
08/Jul/2009	865.0
01/Jul/2009	928.0
23/Jun/2009	884.0
05/Jun/2009	957.0
18/May/2009	875.0
07/May/2009	929.0
21/Apr/2009	823.0
17/Apr/2009	872.0

Actual Low on the 6th May 2010 was 1060.0

# GATE (GANN Analysis Through Excel)

## Easy to Create – Ranges Fluctuation Cards – Example of a High Card

**Swings to Use - Ranges Card**

Monthly Swings

**Ranges Card**

Major - Hi

**List of Swings Points to Select From**

Sw Date	Price	H/L	Trend
26/Apr/2010	1216.7	H	U
05/Feb/2010	1041.0	L	U
11/Jan/2010	1147.9	H	U
08/Jul/2009	865.5	L	U
05/Jun/2009	957.2	H	U
06/Mar/2009	665.7	L	D-SB
06/Jan/2009	942.0	H	D
21/Nov/2008	739.0	L	D
11/Aug/2008	1313.3	H	D
15/Jul/2008	1201.0	L	D
19/May/2008	1440.7	H	D
17/Mar/2008	1253.1	L	D
11/Oct/2007	1586.5	H	U-ST
16/Apr/2007	1375.0	L	U

**Show Options**

**Add Selected Hi ==>**

**Add All Hi ==>**

**De-Select All**

**List of Information that is currently in the Resistance Card**

Low		High	
Date	Price	Date	Price
11-Oct-2007	1586.5		
24-Mar-2000	1574.0		
31-Jan-1994	483.1		
14-Sep-1992	425.5		
13-Jul-1990	373.8		
25-Aug-1987	339.5		
26-Apr-1982	120.6		

Easy - Single action Click and Select - No Keyin required

Pressure Point Chart			Major Highs					SP	
Highlight Price	YEAR		2007	2000	1994	1992	1990	1987	1982
From	To	Date of Hi	11-Oct-2007	24-Mar-2000	31-Jan-1994	14-Sep-1992	13-Jul-1990	25-Aug-1987	26-Apr-1982
1200	1250	YEAR	The Price and Date of the Swings (Hi) you selected						
		Date of Low							
Number of Cycles		High	1586.5	1574.0	483.1	425.5	373.8	339.5	120.6
20									
Degrees	Fraction	Percent							
855	2.375	237.50%			1147.4	1010.6	887.8	806.3	286.4
900	2.500	250.00%			1207.8	1063.8	934.5	848.8	301.5
945	2.625	262.50%			1268.1	1116.9	981.2	891.2	316.6
960	2.667	266.67%			1288.3	1134.7	996.8	905.3	321.6
990	2.750	275.00%			1328.5	1170.1	1028.0	933.6	331.7
1035	2.875	287.50%			1388.9	1223.3	1074.7	976.1	346.7
1080	3.000	300.00%			1449.3	1276.5	1121.4	1018.5	361.8
1125	3.125	312.50%			1509.7	1329.7	1168.1	1060.9	376.9
1170	3.250	325.00%			1570.1	1382.9	1214.9	1103.4	392.0
1200	3.333	333.33%			1610.3	1418.3	1246.0	1131.7	402.0
1215	3.375	337.50%			1630.5	1436.1	1261.6	1145.8	407.0
1260	3.500	350.00%			1690.9	1489.3	1308.3	1188.3	422.1
1305	3.625	362.50%				1542.4	1355.0	1230.7	437.2
1320	3.667	366.67%				1560.2	1370.6	1244.8	442.2
1350	3.750	375.00%				1595.6	1401.8	1273.1	452.3
1395	3.875	387.50%				1648.8	1448.5	1315.6	467.3
1440	4.000	400.00%				1702.0	1495.2	1358.0	482.4

# GATE (GANN Analysis Through Excel)

Easy to Create – Ranges Fluctuation Cards – Example of a Low Card

**Swings to Use - Ranges Cards**

Monthly Swings

**Ranges Card**

Major - Low

☐ Show Options

**List of Swings Points to Select From**

Sw Date	Price	H/L	Trend
26/Apr/2010	1216.7	H	U
05/Feb/2010	1041.0	L	U
11/Jan/2010	1147.9	H	U
08/Jul/2009	865.5	L	U
05/Jun/2009	957.2	H	U
06/Mar/2009	665.7	L	D-SB
06/Jan/2009	942.0	H	D
21/Nov/2008	739.0	L	D
11/Aug/2008	1313.3	H	D
15/Jul/2008	1201.0	L	D
19/May/2008	1440.7	H	D
17/Mar/2008	1253.1	L	D
11/Oct/2007	1586.5	H	U-ST
16/Aug/2007	1375.0	L	U
16/Jul/2007	1566.3	H	U
06/Mar/2007	1368.7	L	U
22/Feb/2007	1464.5	H	U
14/Jun/2006	1229.2	L	U
05/May/2006	1331.2	H	U
13/Oct/2005	1172.0	L	U
17/Jan/2005	1250.0	H	U

**Add Selected Low ==>**

**Add All Low ==>**

**De-Select All**

Easy - Single action Click and Select - No Keyin required

**List of Information that is currently in the Resistance Card**

Low		High	
Date	Price	Date	Price
10-Oct-2002	767.5		
05-Oct-1992	390.0		
11-Oct-1990	295.6		
20-Oct-1987	181.0		
09-Aug-1982	101.2		

**Pressure Point Chart**

Highlight Price	YEAR	Major Lows					
From	To	Date of Hi					
1200	1250	YEAR	2002	1992	1990	1987	1982
		Date of Low	10-Oct-2002	05-Oct-1992	11-Oct-1990	20-Oct-1987	09-Aug-1982
Number of Cycles	High	The Price and Date of the Swings (Low) you selected					
20	Low	767.5	390.0	295.6	181.0	101.2	
Degrees	Fraction	Percent					
540	1.400	150.00%	1151.3	585.0	443.4	271.5	151.8
5		50%	1247.2	633.8	480.4	294.1	164.5
6		67%	1279.2	650.0	492.7	301.7	168.7
630	1.750	175.00%	1343.1	682.5	517.3	316.8	177.1
675	1.875	187.50%	1439.1	731.3	554.3	339.4	189.8
720	2.000	200.00%	1535.0	780.0	591.2	362.0	202.4
765	2.125	212.50%	1630.9	828.8	628.2	384.6	215.1
810	2.250	225.00%	1726.9	877.5	665.1	407.3	227.7
840	2.333	233.33%		910.0	689.7	422.3	236.1
855	2.375	237.50%		926.3	702.1	429.9	240.4
900	2.500	250.00%		975.0	739.0	452.5	253.0
945	2.625	262.50%		1023.8	776.0	475.1	265.7
960	2.667	266.67%		1040.0	788.3	482.7	269.9
990	2.750	275.00%		1072.5	812.9	497.8	278.3
1035	2.875	287.50%		1121.3	849.9	520.4	291.0
1080	3.000	300.00%		1170.0	886.8	543.0	303.6
1125	3.125	312.50%		1218.8	923.8	565.6	316.3
1170	3.250	325.00%		1267.5	960.7	588.3	328.9
1200	3.333	333.33%		1310.0	985.3	603.3	337.3

Highlight Price you are looking for

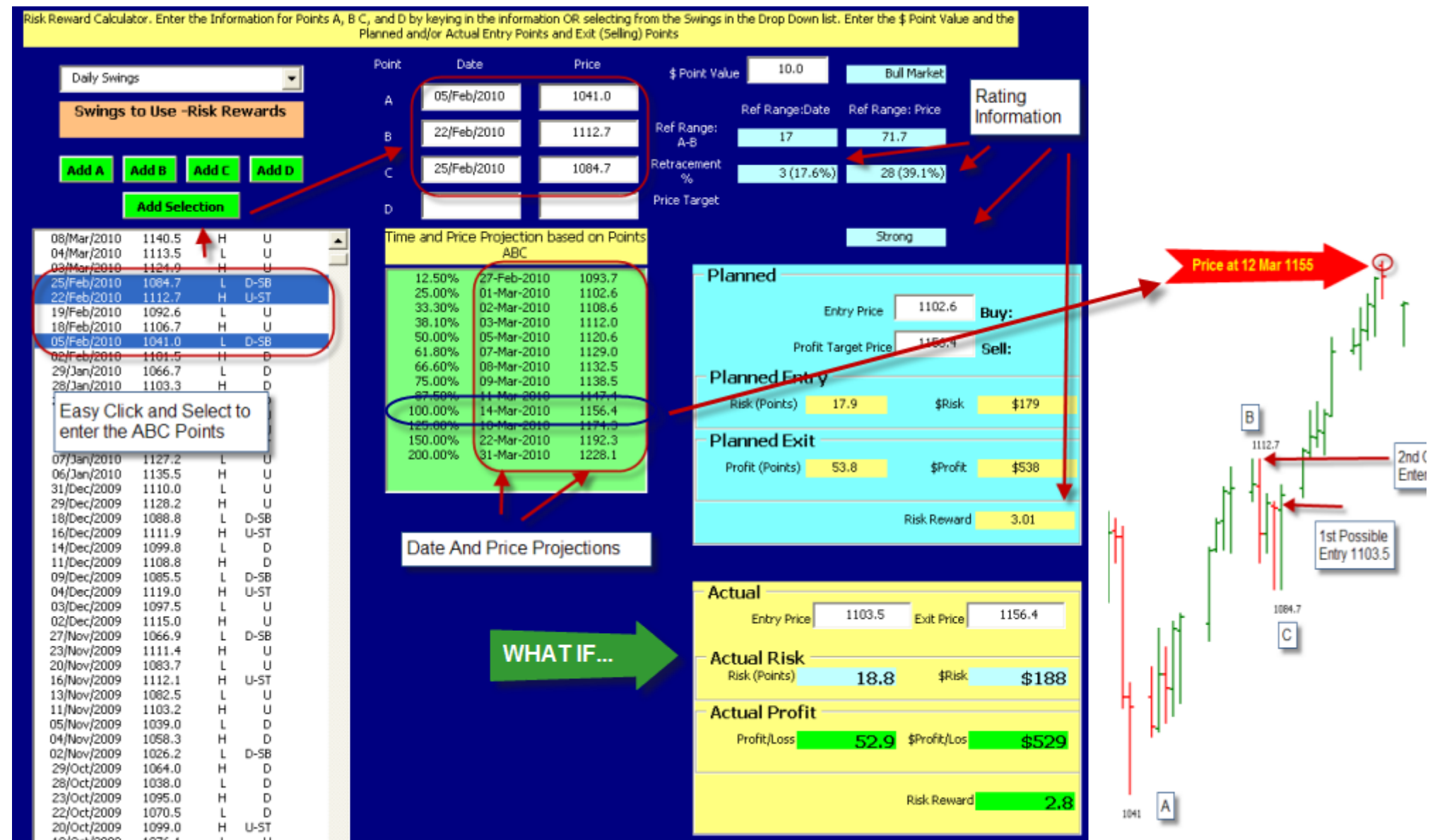
# GATE (GANN Analysis Through Excel)

Extract all Prices Calculated in the Fluctuation and Cluster

37500 12 May 2010										
Groupings	Resistance Price	Percent	Prime	Hi	Hi Date	Low	Low Date	Card Title		Previous Hits
	1180.5	75.00%	1574.0	1574.0	24-Mar-2000			Major Highs		2
	1180.7	1166.70%	101.2			101.2	09-Aug-1982	Major Lows		
	1182.4	400.00%	295.6			295.6	11-Oct-1990	Major Lows		1
	1182.4	66.70%	775.0	1440.7	19-May-2008	665.7	06-Mar-2009	Major Ranges (H-L) + Low		1
	1182.9	50.00%	2365.7	1229.8	07-Mar-2005	1135.9	18-Apr-2005	Current Prime H+L		
	1188.3	350.00%	339.5	339.5	25-Aug-1987			Major Highs		
	1189.1	1175.00%	101.2			101.2	09-Aug-1982	Major Lows		1
	1189.9	75.00%	1586.5	1586.5	11-Oct-2007			Major Highs		1
	1190.9	987.50%	120.6	120.6	26-Apr-1982			Major Highs		1
	1199.1	662.50%	181.0			181.0	20-Oct-1987	Major Lows		
	1201.8	1187.50%	101.2			101.2	09-Aug-1982	Major Lows		
	1206.0	1000.00%	120.6	120.6	26-Apr-1982			Major Highs		1
	1206.7	666.70%	181.0			181.0	20-Oct-1987	Major Lows		1
	1206.9	62.50%	1931.0	1163.5	05-Mar-2004	767.5	10-Oct-2002	Current Prime H+L		1
	1207.8	250.00%	483.1	483.1	31-Jan-1994			Major Highs		
	1214.4	1200.00%	101.2			101.2	09-Aug-1982	Major Lows		
	1214.9	325.00%	373.8	373.8	13-Jul-1990			Major Highs		1
	1217.2	62.50%	1947.5	1180.0	19-Mar-2002	767.5	10-Oct-2002	Current Prime H+L		2
	1218.8	312.50%	390.0			390.0	05-Oct-1992	Major Lows		
	1219.4	412.50%	295.6			295.6	11-Oct-1990	Major Lows		
	1221.1	1012.50%	120.6	120.6	26-Apr-1982			Major Highs		1
	1221.8	675.00%	181.0			181.0	20-Oct-1987	Major Lows		1
	1223.3	287.50%	425.5	425.5	14-Sep-1992			Major Highs		
	1227.1	1212.50%	101.2			101.2	09-Aug-1982	Major Lows		
	1230.7	362.50%	339.5	339.5	25-Aug-1987			Major Highs		1
	1236.2	1025.00%	120.6	120.6	26-Apr-1982			Major Highs		
	1239.7	1225.00%	101.2			101.2	09-Aug-1982	Major Lows		
	1241.2	62.50%	920.8	1586.5	11-Oct-2007	665.7	06-Mar-2009	Major Ranges (H-L) + Low		1
	1244.4	687.50%	181.0			181.0	20-Oct-1987	Major Lows		
	1244.8	366.70%	339.5	339.5	25-Aug-1987			Major Highs		
	1246.0	333.30%	373.8	373.8	13-Jul-1990			Major Highs		
	1246.2	1033.30%	120.6	120.6	26-Apr-1982			Major Highs		
	1247.0	75.00%	775.0	1440.7	19-May-2008	665.7	06-Mar-2009	Major Ranges (H-L) + Low		2
	1247.2	162.50%	767.5			767.5	10-Oct-2002	Major Lows		2
	1248.1	1233.30%	101.2			101.2	09-Aug-1982	Major Lows		1
	1251.2	1037.50%	120.6	120.6	26-Apr-1982			Major Highs		2
	1252.4	1237.50%	101.2			101.2	09-Aug-1982	Major Lows		
	1256.3	425.00%	295.6			295.6	11-Oct-1990	Major Lows		1
	1261.6	337.50%	373.8	373.8	13-Jul-1990			Major Highs		1
	1265.0	1250.00%	101.2			101.2	09-Aug-1982	Major Lows		
	1266.3	1050.00%	120.6	120.6	26-Apr-1982			Major Highs		
	1267.0	700.00%	181.0			181.0	20-Oct-1987	Major Lows		2
	1267.5	325.00%	390.0			390.0	05-Oct-1992	Major Lows		2
	1268.1	262.50%	483.1	483.1	31-Jan-1994			Major Highs		
	1273.1	375.00%	339.5	339.5	25-Aug-1987			Major Highs		
	1276.5	300.00%	425.5	425.5	14-Sep-1992			Major Highs		
	1277.7	1262.50%	101.2			101.2	09-Aug-1982	Major Lows		2
	1279.2	166.70%	767.5			767.5	10-Oct-2002	Major Lows		
	1279.6	66.70%	920.8	1586.5	11-Oct-2007	665.7	06-Mar-2009	Major Ranges (H-L) + Low		
	1280.9	433.30%	295.6			295.6	11-Oct-1990	Major Lows		
	1281.4	1062.50%	120.6	120.6	26-Apr-1982			Major Highs		
	1281.9	1266.70%	101.2			101.2	09-Aug-1982	Major Lows		
	1286.4	1066.70%	120.6	120.6	26-Apr-1982			Major Highs		1
	1287.3	66.70%	1931.0	1163.5	05-Mar-2004	767.5	10-Oct-2002	Current Prime H+L		3

# GATE (GANN Analysis Through Excel)

## Risk Reward Calculator...



## GATE (GANN Analysis Through Excel)

What IF – I enter the Trade at 1103.5

**Strong**

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**Planned**

Entry Price	1102.6	<b>Buy:</b>
Profit Target Price	1156.4	<b>Sell:</b>

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**Planned Entry**

Risk (Points)	17.9	\$Risk	\$179
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**Planned Exit**

Profit (Points)	53.8	\$Profit	\$538
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Risk Reward 3.01

Enter the Price given to you by the Market

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**Actual**

Entry Price	1103.5	Exit Price	1156.4
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**Actual Risk**

Risk (Points)	18.8	\$Risk	\$188
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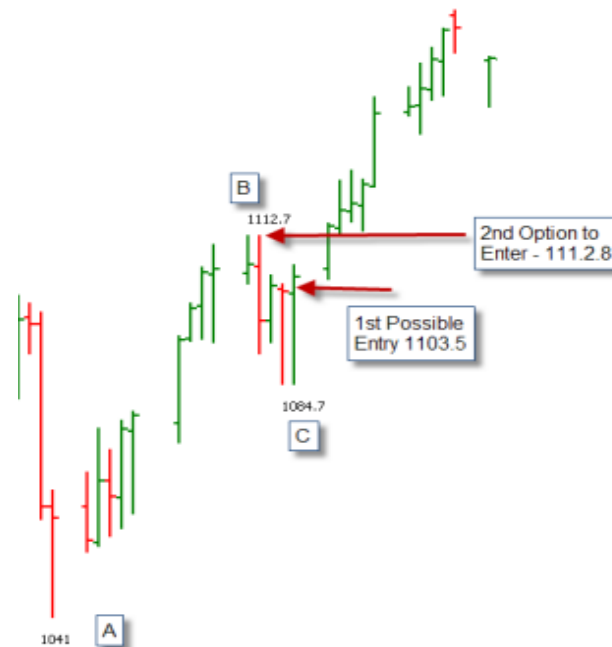
**Actual Profit**

Profit/Loss	52.9	\$Profit/Los	\$529
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Risk Reward 2.8

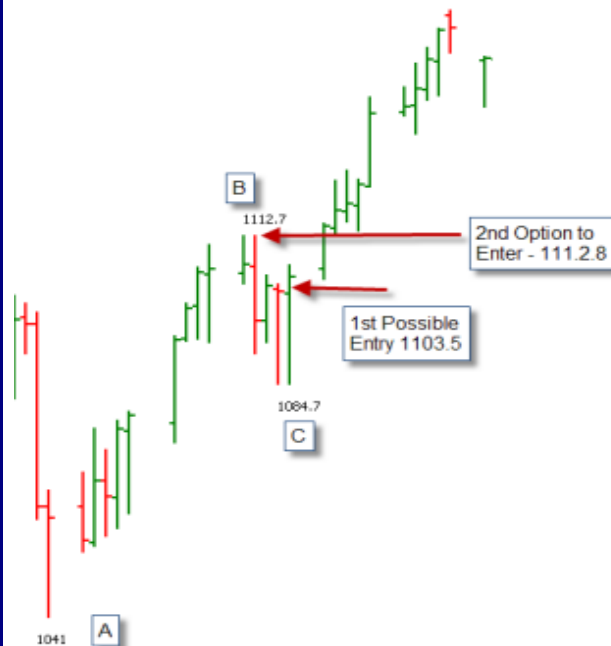
GATE Recalculates the Risk (based on a 100% Price projection)



## GATE (GANN Analysis Through Excel)

What IF the Trade is entered at 1112.8

Strong			
<b>Planned</b>			
Entry Price	1102.6	Buy:	
Profit Target Price	1156.4	Sell:	
<b>Planned Entry</b>			
Risk (Points)	17.9	\$Risk	\$179
<b>Planned Exit</b>			
Profit (Points)	53.8	\$Profit	\$538
Risk Reward		3.01	
<b>Actual</b>			
Entry Price	1112.8	Exit Price	1156.4
<b>Actual Risk</b>			
Risk (Points)	28.1	\$Risk	\$281
<b>Actual Profit</b>			
Profit/Loss	43.6	\$Profit/Los	\$436
Risk Reward		1.6	

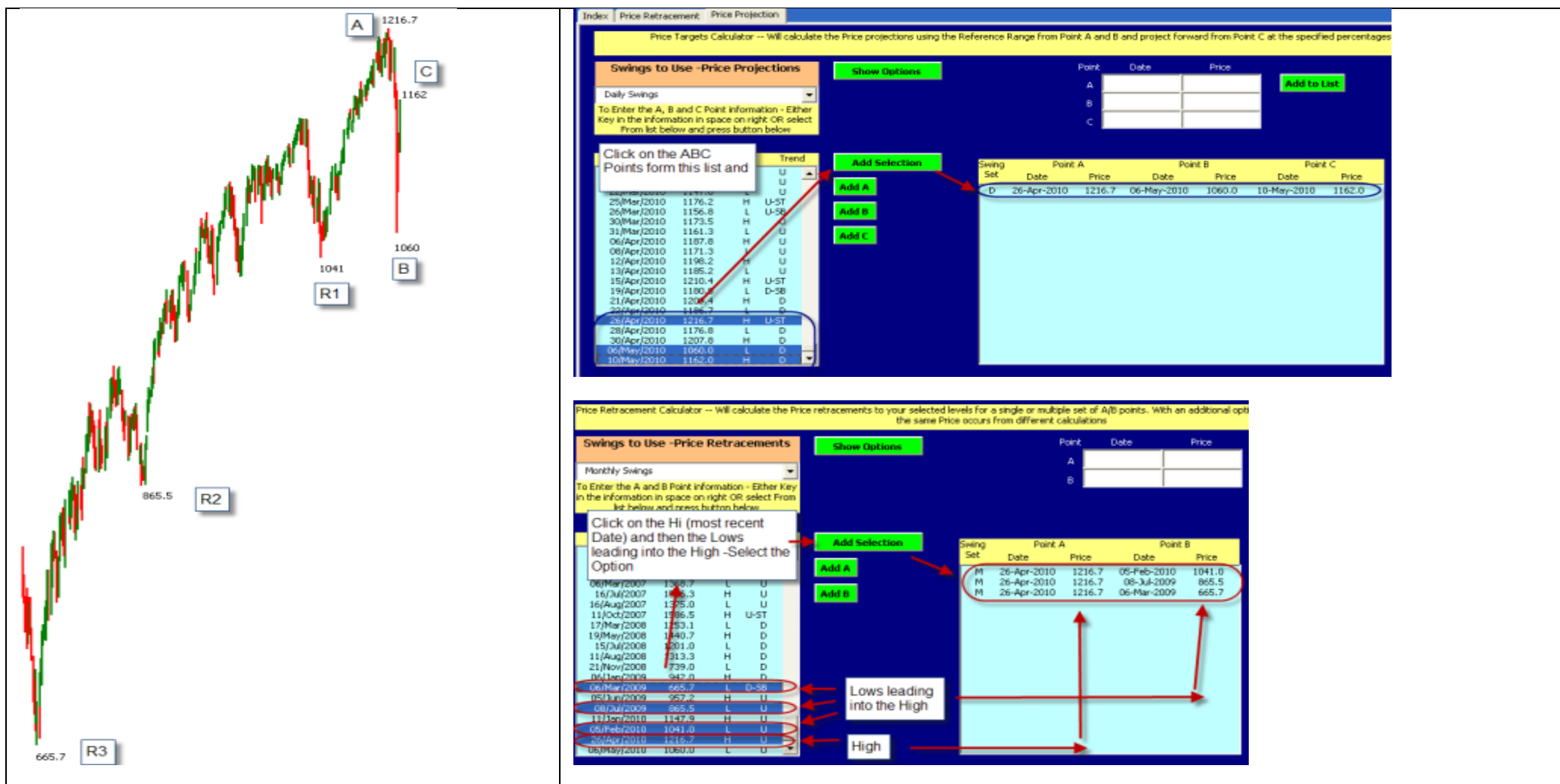


## GATE (GANN Analysis Through Excel)

### Cluster prices at Support and Resistance

Price is Projected forward based on Price Ranges repeating using the Range given by a Point A and B and going forward into Support (Bear Market) or Resistance (Bull Market) from Point C Price Retraces from a current High or Low to previous Low(s) or High(s) back into Support or Resistance.

Prices are Retracing from Point A down into Support to Prices at R1 or R2 or R3 – There is also an ABC Price Projection down into Support. The simple Click and Select functions in GATE allows you to easily select all of this information and then Calculate the Resistance numbers and search for Price Clusters.



# GATE (GANN Analysis Through Excel)

Support and Resistance Clusters Highlight your Target Number -

Price Retracements for SP500							Support Numbers			
Price	Percentage	Support Numbers	Retrace Ref	Price Proj Ref						
1172.8	25.00%	(M) 1216.7/1041.0								
1149.8	38.10%	(M) 1216.7/1041.0								
1128.9	50.00%	(M) 1216.7/1041.0								
1128.9	25.00%	(M) 1216.7/865.5								
1122.8	25.00%			(D) 1216.7/1060.0/1162.0						
1108.1	61.80%	(M) 1216.7/1041.0								
1102.3	38.10%			(D) 1216.7/1060.0/1162.0						
1097.1	25.00%			(W) 1303.5/825.0/1216.7						
1083.7	50.00%			(D) 1216.7/1060.0/1162.0						
1082.9	38.10%	(M) 1216.7/865.5								
1079.0	25.00%	(M) 1216.7/665.7								
1065.2	61.80%			(D) 1216.7/1060.0/1162.0						
1041.1	50.00%	(M) 1216.7/865.5								
1041.0	100.00%	(M) 1216.7/1041.0								
1034.4	38.10%			(W) 1303.5/825.0/1216.7						
1006.8	38.10%	(M) 1216.7/665.7								
1005.3	100.00%			(D) 1216.7/1060.0/1162.0						
999.7	61.80%	(M) 1216.7/865.5								
977.5	50.00%			(W) 1303.5/825.0/1216.7						
974.1	138.10%	(M) 1216.7/1041.0								
963.0	127.00%			(D) 1216.7/1060.0/1162.0						
953.2	150.00%	(M) 1216.7/1041.0								
941.2	50.00%	(M) 1216.7/665.7								
932.4	161.80%	(M) 1216.7/1041.0								
927.0	150.00%			(D) 1216.7/1060.0/1162.0						
921.0	61.80%			(W) 1303.5/825.0/1216.7						
908.5	161.80%			(D) 1216.7/1060.0/1162.0						
876.2	61.80%	(M) 1216.7/665.7								
865.5	100.00%	(M) 1216.7/865.5								
865.3	200.00%	(M) 1216.7/1041.0								
848.6	200.00%			(D) 1216.7/1060.0/1162.0						
738.2	100.00%			(W) 1303.5/825.0/1216.7						
731.7	138.10%	(M) 1216.7/865.5								
689.9	150.00%	(M) 1216.7/865.5								
665.7	100.00%	(M) 1216.7/665.7								
648.5	161.80%	(M) 1216.7/865.5								
609.0	127.00%			(W) 1303.5/825.0/1216.7						
514.3	200.00%	(M) 1216.7/865.5								
499.0	150.00%			(W) 1303.5/825.0/1216.7						
455.8	138.10%	(M) 1216.7/665.7								
442.5	161.80%			(W) 1303.5/825.0/1216.7						

Price Clusters

NOTE: Easy to see  
CLusters . -50% of this  
Range equals a Previous  
Low

