

# The Art of Trading Fractal Patterns



Presented by: Avi Mahtani

# Avi Mahtani

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## History Prior to Trading:

- Born in Sri Lanka
- Raised in Dubai
- BS from Embry Riddle Aeronautical University
- Flight Instructor/ Digital Marketing/Family Business

## Trading History:

- Contrarian Investing in 2017
- Day Trading in 2019
- Full time Day Trader

## Trading Edges:

- Day Trading Options

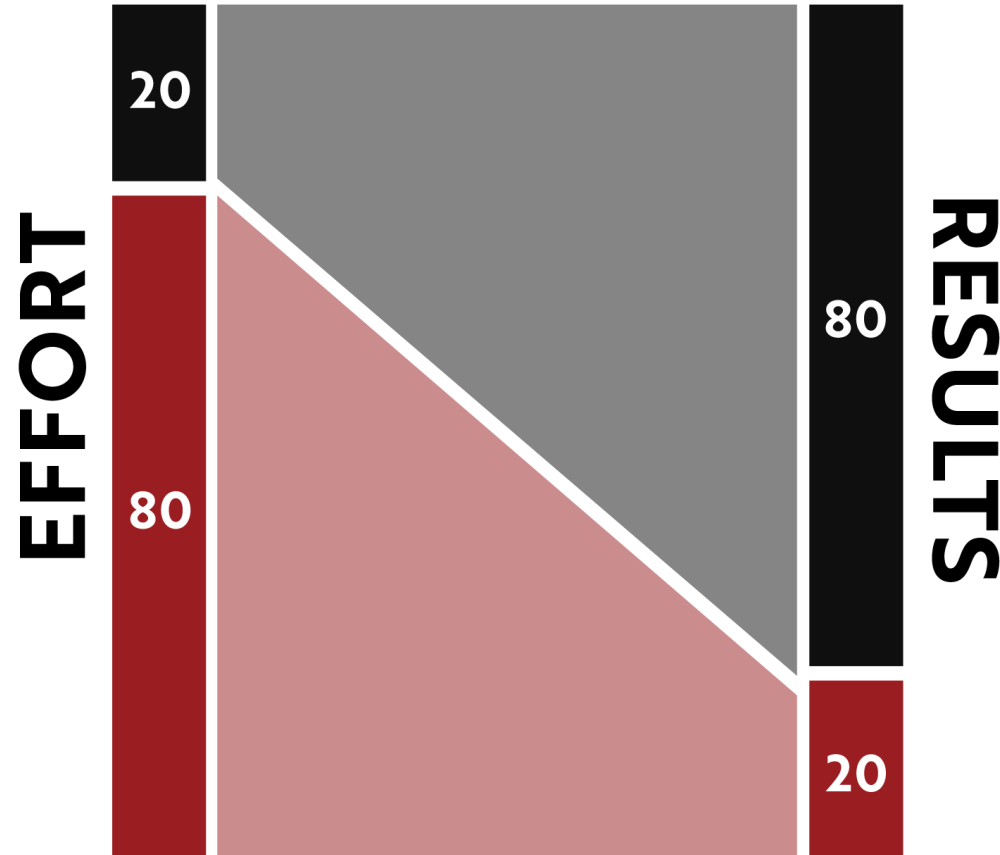
## Hobbies:

- Surfing and various Watersports
- Recreational Flying
- Off Roding
- Riding Motorcycles, Snowboarding, Cricket, Playing guitar
- Family time

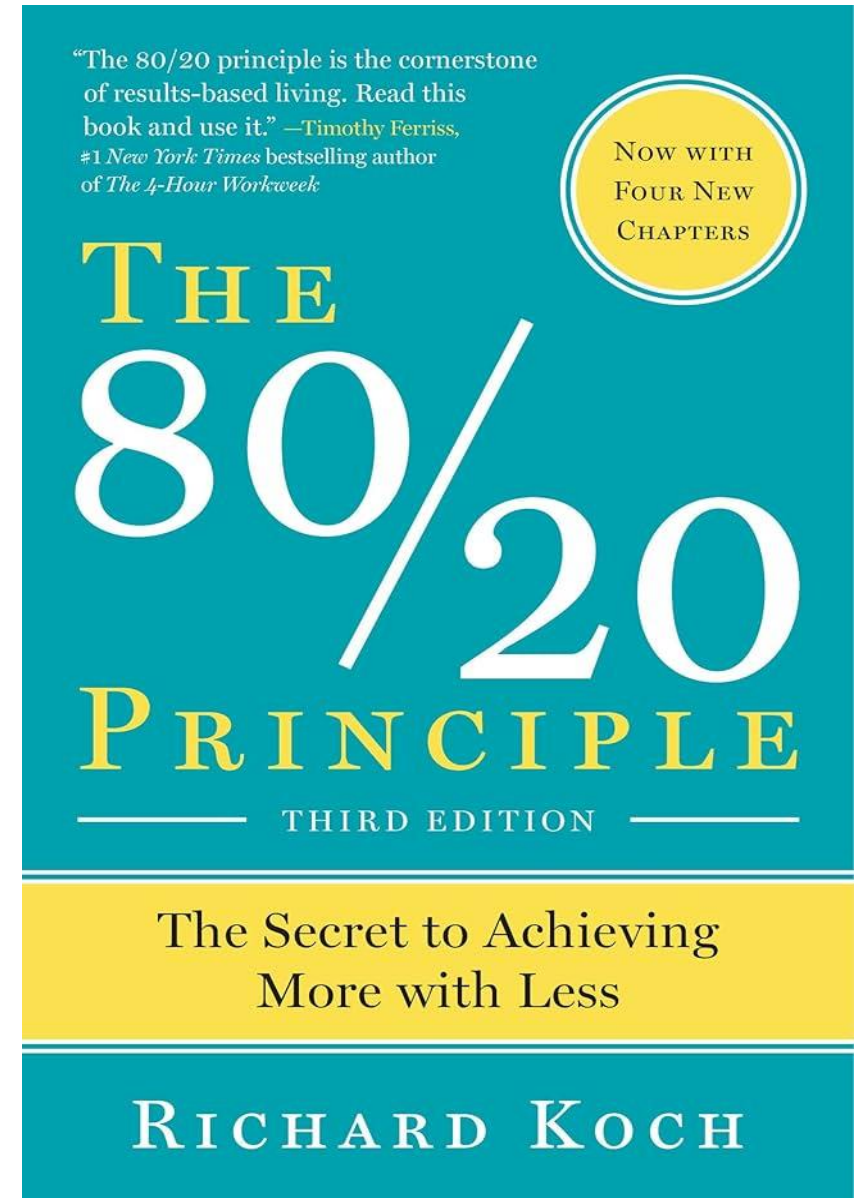


# 80/20 Rule

"For many events, roughly 80% of the effects come from 20% of the causes." -Pareto

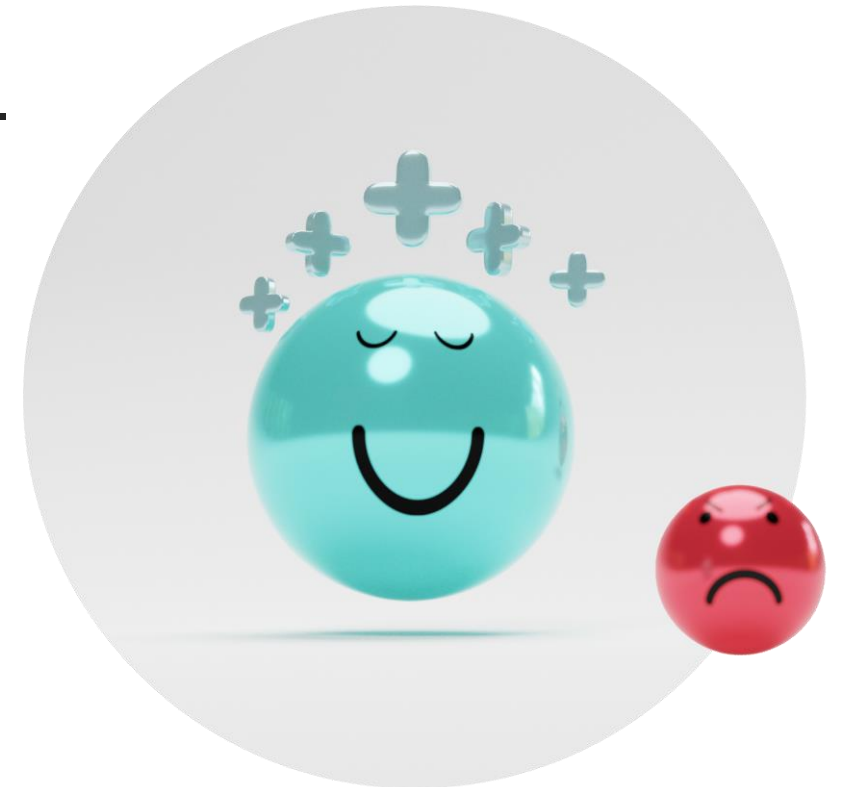


Therefore 20% of the effort produces 80% of the results but the last 20% of the results consumes 80% of the effort.



# Examples of 80/20

- 80% of a company's output is produced by 20% of its workers.
- 20% of your knowledge is used 80% of the time.
- 20% of the earth's inhabitants cause 80% of the world's problems.
- 20% of your experiences produce 80% of your happiness.
- 20% of your wardrobe is worn 80% of the time.
- 80% of a market is supplied by 20% of suppliers.
- 80% of a town's traffic is on 20% of its roads.
- 80% of the wealth is owned by 20% of the population.
- 80% of your success comes from 20% of your ideas.



# Fractal Pattern

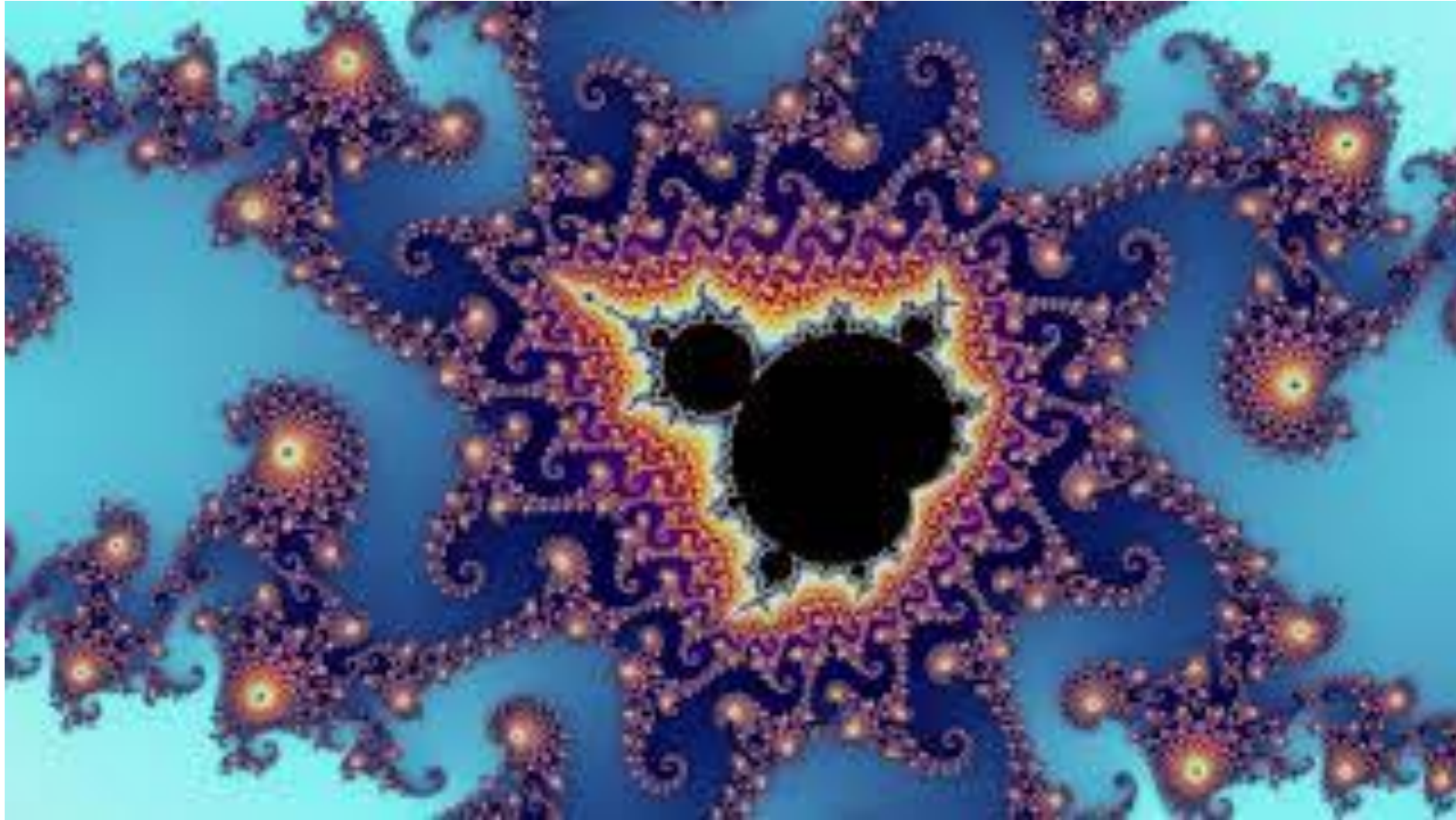
## WHAT IS A FRACTAL IN REAL LIFE?

A fractal is a persistent pattern that appears the same at every scale and repeats itself over time. There are many examples of fractals that we encounter in everyday life. A pineapple's growth follows fractal laws, and ice crystals form in similar patterns.



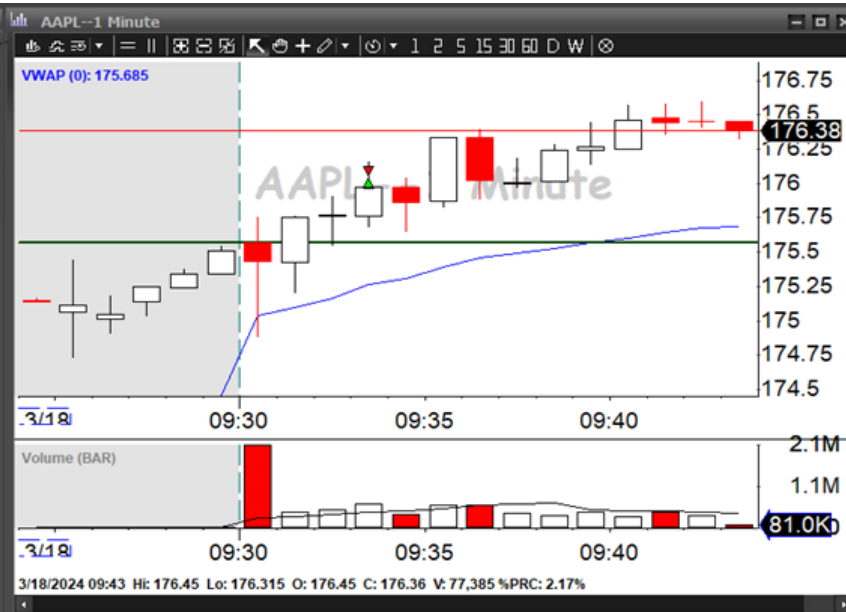


# Video Link





# Example \$AAPL



Positions (with closed positions)

Symb	Ac	Share	Avgco	D	Wit	Realized	Unreal
+AAPL^E3M177.5	***	0	0	1	0...	1928.00	0
+AMZN^E3M17...	***	0	0	1	0...	1538.00	0
+TSLA^E3M172.5	***	0	0	2	0...	-1000.00	0
AAPL	***	0	0	1	0...	1.89	0
Summary		0			0...	2467.89	0

176.38	125	176.34	7	176.39	1
176.38	125	176.34	2	176.40	3
176.38	51	176.33	4	176.40	2
176.38	120	176.33	3	176.41	2
176.38	20	176.32	14	176.41	0
176.38	100	176.32	3	176.42	4
176.375	137	176.31	4	176.42	2
176.37	50	176.31	3	176.43	4
176.37	110	176.31	1	176.43	0
176.37	100	176.31	1	176.44	6
176.37	100	176.30	13	176.44	1
176.37	100	176.30	12	176.44	1
176.37	18	176.29	12	176.44	1
176.37	2	176.29	5	176.45	3
176.37	100	176.28	16	176.45	1
176.37	100	176.28	1	176.46	5
176.37	100	176.27	6	176.46	2
176.37	10	176.27	2	176.47	2
176.37	100	176.26	5	176.47	1
176.37	100	176.26	1	176.48	7
176.37	100	176.25	4	176.48	3
176.37	100	176.25	3	176.49	6
176.37	100	176.24	6	176.49	1
176.37	100	176.24	1	176.50	31
176.37	100	176.23	4	176.50	2



# Example \$TSLA



Positions (with closed positions)

Symb	Ac	Share	Avgco	Wi	Realized	Unrealize
+MSFT^E38407.5	***	0	0	J...	-41.86	0.00
+TSLA^E38177.5	***	0	0	J...	6316.86	0.00
AMD	***	0	0	J...	-10.70	0.00
+NVDA^E38910	***	0	0	J...	4182.00	0.00
+AMD^E38215	***	0	0	J...	2344.00	0.00
Summary		0		J...	7850.30	0.00

Orders

X	Stat...	Symb	S...	Qty	Open	Price	R	Type	Time	TIF	Acc...

178.29	1	178.26	1	178.34	1
178.3	94	178.25	4	178.34	0
178.3	40	178.25	1	178.35	3
178.3	10	178.24	5	178.36	4
178.3	17	178.24	2	178.36	1
178.3	26	178.24	1	178.36	0
178.3	30	178.23	1	178.37	6
178.3	30	178.23	0	178.37	1
178.29	1	178.22	0	178.38	3
178.3	330	178.21	0	178.39	0
178.3	100	178.20	1	178.39	0
178.3	25	178.20	0	178.40	1
178.3	128	178.20	0	178.40	0
178.31	25	178.19	1	178.41	0
178.31	100	178.19	0	178.41	0
178.32	10	178.18	2	178.42	1
178.3288	10	178.18	1	178.42	1
178.31	1	178.18	0	178.43	1
178.3	41	178.17	1	178.43	1
178.3	3	178.17	0	178.44	1
		178.16	0	178.44	0
		178.16	0	178.45	6
		178.15	1	178.45	1
		178.15	0	178.46	1
		178.14	3	178.46	0

# Example \$MSFT



Positions (with closed positions)

Symb	Ac	Share	Avgco	Wi	Realized	Unrealize
+TSLA^E38177.5	***	-0	0	J...	-41.86	0.00
+MSFT^E38407.5	***	0	0	J...	-4940.00	0.00
+TSLA^E38177.5	***	0	0	J...	6316.86	0.00
AMD	***	0	0	J...	-10.70	0.00
+NVDA^E38910	***	0	0	J...	4182.00	0.00
+AMD^E38215	***	0	0	J...	2344.00	0.00
Summary		0		J...	7850.30	0.00

403.9679	17	403.55	1	403.68	1
403.5801	1	403.54	2	403.68	1
403.58	1	403.54	1	403.69	2
403.5801	4	403.54	1	403.69	0
403.63	98	403.53	6	403.70	1
403.62	2	403.53	1	403.70	1
403.579	757	403.52	5	403.71	2
403.63	1	403.52	1	403.72	1
403.59	3	403.51	1	403.72	1
403.6016	140	403.51	0	403.73	2
403.6	2224	403.50	4	403.73	1
403.605	96	403.50	0	403.74	2
403.605	4	403.49	1	403.74	1
403.59	2	403.49	1	403.75	2
403.61	13	403.48	1	403.76	2
403.64	1	403.47	3	403.77	2
403.58	33	403.47	1	403.77	1
403.6213	51	403.46	2	403.78	2
403.61	117	403.46	1	403.78	1
403.61	58	403.45	2	403.79	1
		403.45	0	403.80	2

# Example \$TSLA



Positions (with closed positions)

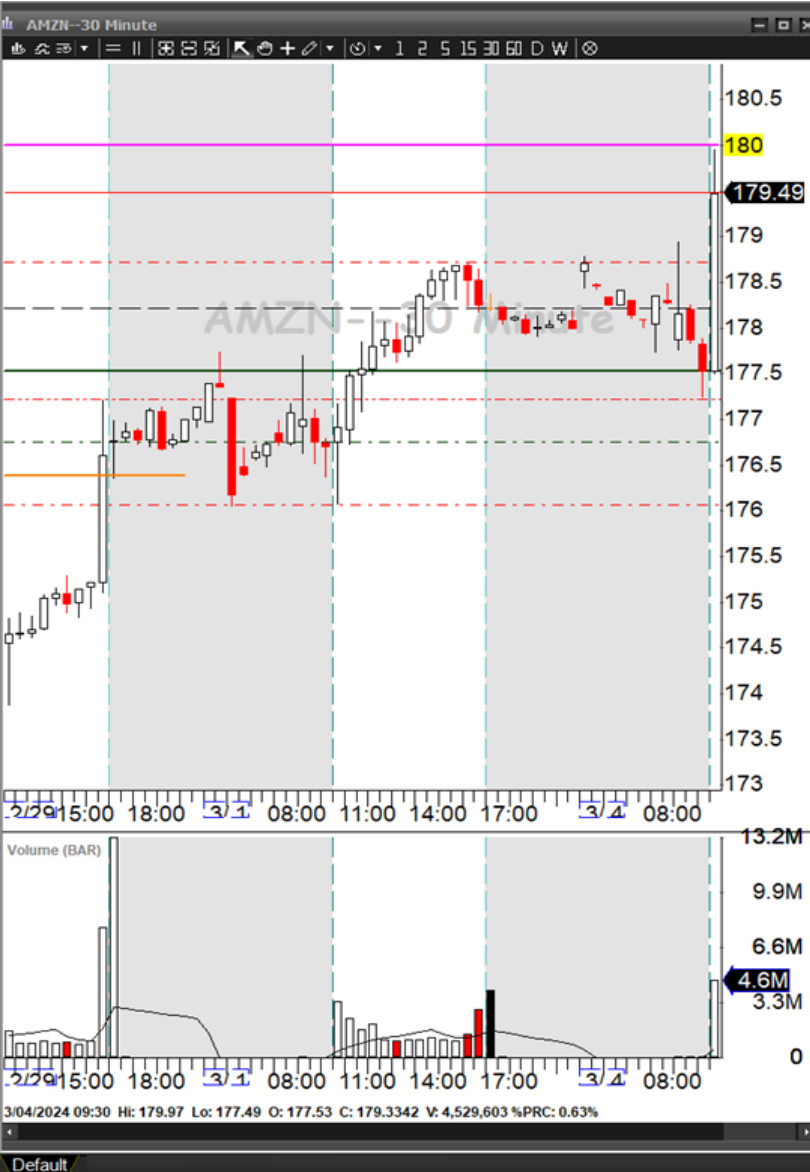
Symb	Ac	Share	Avgco	Diff	Realized	U
+AMD*E38215	***	0	0	2.59	-6937.00	
+AMZN*E38172.5	***	0	0	1.08	-100.00	
NVDA	***	0	0	874.54	26.30	
+NVDA*E38890	***	0	0	9.85	1267.00	
+GOOG*E38135	***	0	0	0.53	-3082.00	
+MSFT*E38400	***	0	0	3.7	746.00	
+TSLA*E38175	***	0	0	3.6	11995.00	
+GOOG*E38132	***	0	0	1.1	1289.00	
Summary		0			5204.30	

174.33	50	174.28	3	174.36	1
174.33	1	174.28	2	174.37	5
174.32	1	174.28	2	174.38	2
174.32	35	174.27	3	174.38	0
174.32	126	174.27	1	174.39	3
174.32	35	174.27	0	174.40	9
174.32	14	174.26	5	174.40	3
174.32	98	174.26	3	174.40	2
174.32	41	174.26	2	174.40	0
174.32	1	174.25	1	174.41	0
174.33	1	174.25	0	174.42	
174.33	99	174.25	0	174.43	2
174.33	1	174.24	1	174.43	0
174.33	1	174.24	0	174.44	4
174.33	1	174.23	12	174.44	0
174.33	100	174.23	0	174.45	0
174.33	25	174.22	1	174.45	0
174.33	54	174.22	0	174.46	2
174.33	63	174.21	3	174.46	0
174.33	9	174.21	0	174.47	5
174.34	280	174.20	3	174.47	0
174.34	2	174.20	0	174.48	10
		174.19	0	174.48	0
		174.19	0	174.49	3

Montage INET ARCA IEX



# Example \$AMZN



Positions (with closed positions)

Symb	Ac	Share	Avgcc	Diff	Realized	Unr
+AMD^E38207.5	***	0	0	6.55	-4362.00	
+AMZN^E38180	***	0	0	1.82	11700.00	
+META^E38495	***	0	0	4.8	5175.00	
+TSLA^E38200	***	0	0	2.22	-6125.00	
Summary		0			6388.00	

Orders

X	Stat...	Symb	S...	Qty	Open	Price	R	Type	Time	TIF	Acc...

179.49	100	179.45	1	179.51	7
179.49	30	179.45	1	179.51	2
179.49	100	179.45	1	179.51	1
179.49	100	179.45	1	179.51	1
179.49	100	179.44	7	179.52	6
179.49	100	179.44	2	179.52	1
179.49	100	179.43	9	179.53	7
179.49	50	179.43	1	179.53	1
179.49	50	179.43	1	179.53	1
179.49	52	179.42	7	179.54	6
179.49	100	179.42	2	179.54	5
179.49	100	179.42	1	179.55	3
179.49	100	179.41	7	179.55	1
179.49	100	179.41	5	179.56	1
179.49	100	179.40	3	179.56	1
179.49	100	179.40	3	179.57	3
179.4796	53	179.39	4	179.57	1
179.49	10	179.39	3	179.58	2
179.49	100	179.38	6	179.58	2
179.49	100	179.38	2	179.58	2
179.49	100	179.37	4	179.58	2
179.49	83	179.37	4	179.58	1
179.49	100	179.36	3	179.59	10
179.49	11	179.36	2	179.59	1
179.49	100	179.26	1	179.60	1



# Fractal Patterns

## WHY DO HUMANS LIKE FRACTALS?

Humans experience less stress and better well-being when looking at nature, and this is driven by fractals. Taylor's research has found that fractals can reduce stress and mental fatigue for the observer by as much as 60%.



If you're in Dubai, let me know



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