

MURREY MATH LINES — TRADER'S REFERENCE & FAQ

The Definitive Guide for Traders: Answering Key Questions on Levels, Colors & Octave Shifts

THE FOUNDATIONAL REVELATION — MURREY MATH LEVELS ARE STACKED (PINOTTUJA):

Before looking at individual lines, understand this essential mental model: Murrey Math levels are **NOT** isolated, floating lines that move randomly. They are **permanently stacked geometric cubes (octaves)**, exactly like floors in a high-rise building.

- **Floor 1 (Octave 1):** \$60 to \$100 (divided into 8 equal rooms).
- **Floor 2 (Octave 2):** \$100 to \$140 (stacked directly on top of Floor 1).
- **The Master Connection:** The **ceiling (8/8)** of Floor 1 is literally the **floor (0/8)** of Floor 2! When price breaks out, it does not destroy support/resistance — it simply steps up into the next stacked floor.

This guide is calibrated directly to **MMATH-v1.07.mq5** (*Sovereign Cockpit / DanCalc Framework*) with exact colors and code definitions:

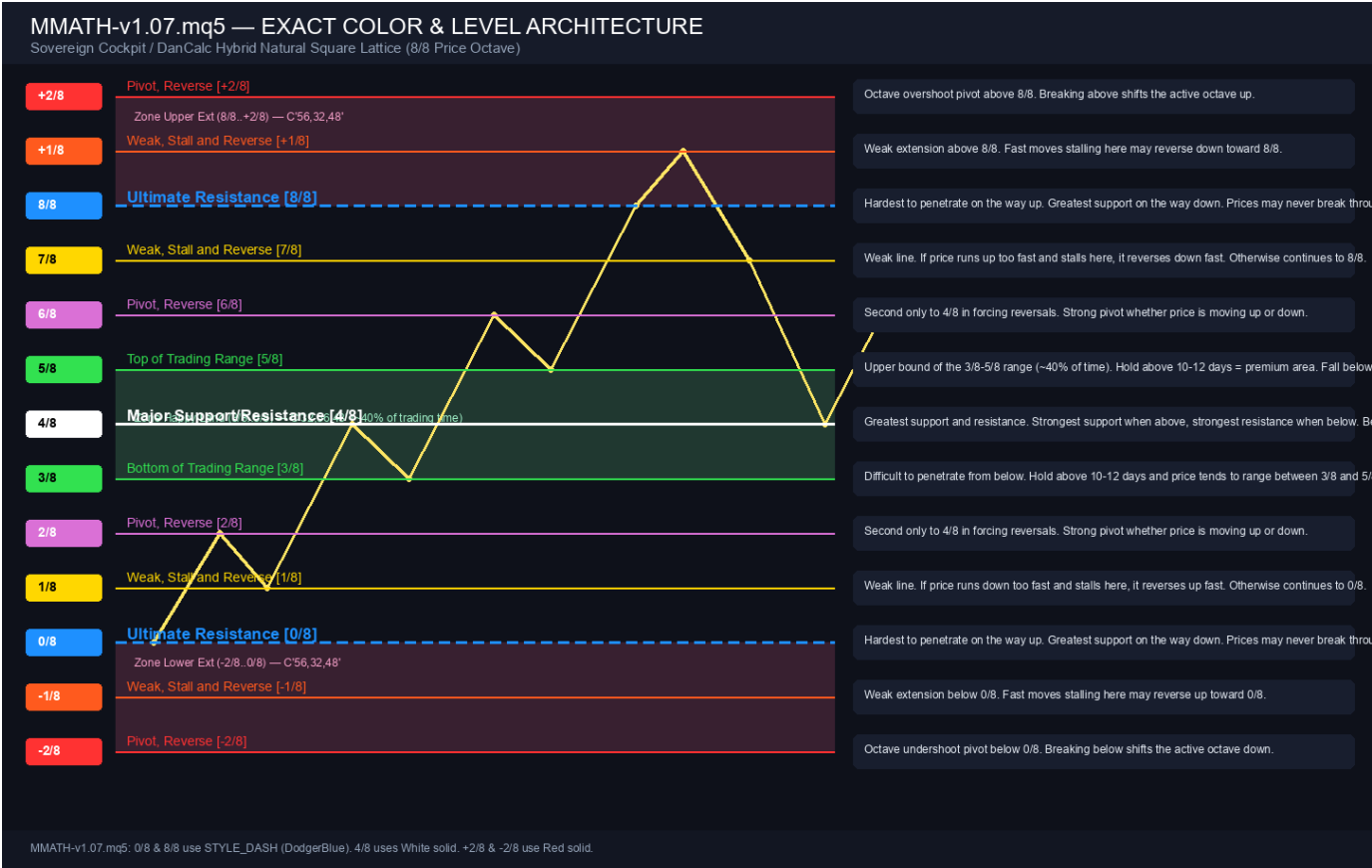
1. Exact Master Table from MMATH-v1.07.mq5 (InitLineDefinitions)

Level	Indicator Line Name	Color & Style in Code	Verbatim Description (g_lines[i].label in MQ5)
[+2/8]	Pivot, Reverse [+2/8]	Red STYLE_SOLID	Octave overshoot pivot above 8/8. Breaking above shifts the active octave up.
[+1/8]	Weak, Stall and Reverse [+1/8]	clrOrangeRed STYLE_SOLID	Weak extension above 8/8. Fast moves stalling here may reverse down toward 8/8.
[8/8]	Ultimate Resistance [8/8]	clrDodgerBlue STYLE_DASH	Hardest to penetrate on the way up. Greatest support on the way down. Prices may never break through.
[7/8]	Weak, Stall and Reverse [7/8]	Gold STYLE_SOLID	Weak line. If price runs up too fast and stalls here, it reverses down fast. Otherwise continues to 8/8.
[6/8]	Pivot, Reverse [6/8]	clrOrchid STYLE_SOLID	Second only to 4/8 in forcing reversals. Strong pivot whether price is moving up or down.
[5/8]	Top of Trading Range [5/8]	Lime STYLE_SOLID	Upper bound of the 3/8-5/8 range (~40% of time). Hold above 10-12 days = premium area. Fall below and price seeks lower support.
[4/8]	Major Support/Resistance [4/8]	White (Dark BG) STYLE_SOLID	Greatest support and resistance. Strongest support when above, strongest resistance when below. Best level to buy and sell against.
[3/8]	Bottom of Trading Range [3/8]	Lime STYLE_SOLID	Difficult to penetrate from below. Hold above 10-12 days and price tends to range between 3/8 and 5/8 (~40% of the time).
[2/8]	Pivot, Reverse [2/8]	clrOrchid STYLE_SOLID	Second only to 4/8 in forcing reversals. Strong pivot whether price is moving up or down.
[1/8]	Weak, Stall and Reverse [1/8]	Gold STYLE_SOLID	Weak line. If price runs down too fast and stalls here, it reverses up fast. Otherwise continues to 0/8.
[0/8]	Ultimate Resistance [0/8]	clrDodgerBlue STYLE_DASH	Hardest to penetrate on the way up. Greatest support on the way down. Prices may never break through.
[-1/8]	Weak, Stall and Reverse [-1/8]	clrOrangeRed STYLE_SOLID	Weak extension below 0/8. Fast moves stalling here may reverse up toward 0/8.
[-2/8]	Pivot, Reverse [-2/8]	Red STYLE_SOLID	Octave undershoot pivot below 0/8. Breaking below shifts the active octave down.

- Background Zone Shading in MMATH-v1.07.mq5:
- **Zone Happy 3/8–5/8:** C'32,56,48' (Dark forest green shading between Lime 3/8 and Lime 5/8).
 - **Zone Upper Ext:** C'56,32,48' (Deep wine shading between DodgerBlue 8/8 and Red +2/8).
 - **Zone Lower Ext:** C'56,32,48' (Deep wine shading between Red -2/8 and DodgerBlue 0/8).

2. Visual Chart Anatomy (Rendered with MMATH-v1.07 Colors)

The diagram below recreates the exact visual display of MMATH-v1.07.mq5 on a dark chart background. Notice the dashed DodgerBlue lines for 0/8 and 8/8, solid Lime borders for the Happy Land channel, and solid White for 4/8.

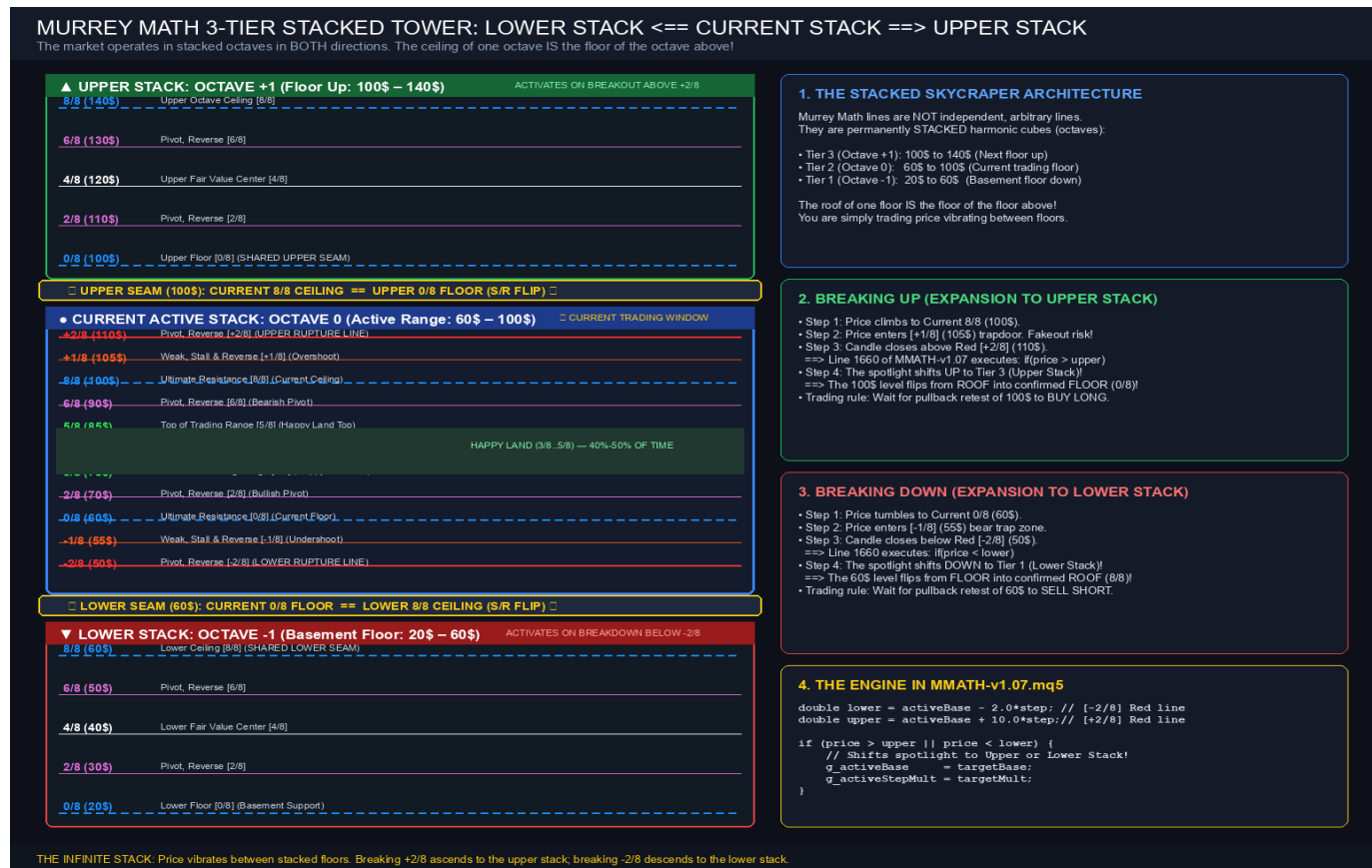


Special Extended Feature: The 4 'Franka' Lines in MMATH-v1.07

- In lines 1930–1933, the indicator introduces 4 special dashed **Orange** harmonic lines based on 1/3rd (33.3%) octave mathematics:
- **Franka +33.3% (Orange Dash):** One-third octave extension above 8/8. Overshoot reference for exhaustion beyond the octave ceiling.
 - **Franka 66.6% (Orange Dash):** One-third octave below 8/8. Early pullback zone after a break above the octave ceiling.
 - **Franka 33.3% (Orange Dash):** One-third octave above 0/8. Early re-entry zone after a break below the octave floor.
 - **Franka -33.3% (Orange Dash):** One-third octave extension below 0/8. Overshoot reference for exhaustion beyond the octave floor.

3. The 3-Tier Stacked Architecture: Lower, Current & Upper Stacks

The diagram below illustrates the 3-tier stacked tower. Notice how octaves are permanently stacked in **BOTH** directions. The roof of one floor is literally the floor of the floor above:



How the 3-Tier Stacking Engine Operates in MMATH-v1.07.mq5:

- **The Upper Seam (\$100):** Current [8/8] (DodgerBlue) == Upper [0/8] (DodgerBlue).

When price closes above **Red [+2/8] (\$110)**, the indicator shifts focus UP into the **Upper Stack (Tier 3)**. The former \$100 roof is now your confirmed floor support to buy pullbacks.

- **The Lower Seam (\$60):** Current [0/8] (DodgerBlue) == Lower [8/8] (DodgerBlue).

When price closes below **Red [-2/8] (\$50)**, the indicator shifts focus DOWN into the **Lower Stack (Tier 1)**. The former \$60 floor is now your confirmed roof resistance to sell pullbacks.

- **The MQL5 Code Rule (Lines 1656–1664):**

```
if (price > upper || price < lower) { g_activeBase = targetBase; g_activeStepMult = targetMult; }
```

The indicator seamlessly transitions between stacked blocks. The levels never disappear — they are an infinite harmonic ladder!

4. The 5 Most Asked Questions About Murrey Math (Trader FAQ)

When traders first encounter Murrey Math, they always ask these exact 5 questions. Here are the authoritative answers:

Q1: Where do I buy and where do I sell? • BUY: At [0/8] DodgerBlue (hard floor) or [2/8] Orchid (bullish pivot). • SELL: At [8/8] DodgerBlue (hard ceiling) or [6/8] Orchid (bearish pivot). • Always take primary profits when price returns to [4/8] White.	Q2: What is the White [4/8] line? Can I trade it? NO! The White 4/8 line is pure 50/50 fair value equilibrium (the market magnet). Initiating a fresh trade at 4/8 is a coin toss with terrible risk-reward. Only use 4/8 to take profits or move your stop to break-even.
Q3: What is the green shaded box (Lime 3/8 to 5/8)? In the code this is called 'Happy Land'. The market spends 40%–50% of its lifespan chopping between Lime 3/8 and Lime 5/8. Do not chase breakouts inside Happy Land — wait for price to reach the outer pivots (2/8 or 6/8) or boundaries (0/8 or 8/8).	Q4: Are the levels stacked? Why did they jump? YES, THEY ARE PERMANENTLY STACKED! Murrey Math is a vertical skyscraper of octaves. Floor 1's roof (8/8 at \$100) IS Floor 2's floor (0/8 at \$100). When a candle closes past Red [+2/8], price has stepped up into Floor 2. The indicator simply moves its spotlight up to the next stacked floor!

Q5: What do the Sync States (Orange / Gold / Lime) mean on the chart?

MMATH-v1.07.mq5 tracks stability: **RETROFITTING (Orange)** means an octave shift just happened (wait for dust to settle); **SYNCED (Gold)** means levels have been stable for 3+ bars (safe to trade); and **COILED (Lime)** means perfect natural harmonic alignment (highest conviction setups!).

Golden Takeaway for Inquirers (Print & Keep on Desk):

- **RULE 1: Never enter new trades on White 4/8.** Target it for profit, don't enter on it.
- **RULE 2: Don't mistake OrangeRed [+1/8] for a breakout.** 75% of moves into +1/8 are bull traps that slam back down.
- **RULE 3: Never fight a Red [+2/8] or [-2/8] candle close.** It signals Part 2 (Octave Shift). Trade the retest of the old boundary, never fade runaway momentum.
- **RULE 4: Best risk-to-reward entries:** Rejection wicks at DodgerBlue 0/8, Orchid 2/8, Orchid 6/8, and DodgerBlue 8/8.