

Levels Concept Fit Analysis

Evaluation Criteria

Levels should be:

- Price zones with defined bounds (minPrice/maxPrice)
- Relatively stable or predictably recalculating
- Useful as "required" or "excluded" filters
- Evaluable as "price is in/near zone"

Fit Ratings:

- **Excellent** - Perfect fit, clear price zone, stable
- **Good** - Works well, minor caveats
- **Moderate** - Usable but has limitations
- **Poor** - Better as DSL function or indicator
- **Bad Fit** - Doesn't work as a level concept

Price Structure / Extremes

Level	Fit	Notes
All-Time High (ATH)	Excellent	Clear price, proximity zone works perfectly
All-Time Low (ATL)	Excellent	Clear price, proximity zone works perfectly
Previous ATH	Excellent	Historical price point, great for S/R
52-Week High	Excellent	Rolling but well-defined price
52-Week Low	Excellent	Rolling but well-defined price
Yearly High	Excellent	Calendar-based, clear bounds
Yearly Low	Excellent	Calendar-based, clear bounds
Quarterly High/Low	Excellent	Calendar-based, clear bounds
Monthly High/Low	Excellent	Calendar-based, clear bounds
Weekly High/Low	Excellent	Calendar-based, clear bounds
Daily High/Low	Excellent	Previous day range, very common
Swing High/Low (with dominance)	Excellent	Core building block for many levels

Fibonacci Levels

Level	Fit	Notes
Fib Retracements (0.236-0.786)	Excellent	Classic price zones, clear bounds
Fib 50%	Excellent	Simple midpoint calculation
Fib Extensions (1.272, 1.618, 2.0)	Excellent	Target zones, clear prices

Fib Clusters	Good	Multiple fibs = stronger zone, needs confluence detection
Fib Time Zones	Bad Fit	Time-based, not price - this is a PHASE
Fib Speed Resistance Fan	Moderate	Dynamic angled lines, complex to define as zone

Higher Timeframe Structure

Level	Fit	Notes
Yearly Open	Excellent	Single price point, great institutional reference
Quarterly Open	Excellent	Single price point
Monthly Open	Excellent	Single price point
Weekly Open	Excellent	Single price point
Daily Open	Excellent	Single price point
Session Opens (London/NY/Tokyo)	Excellent	Single price points at session start
Opening Range (first hour H/L)	Excellent	Clear zone bounds
Previous Day Close	Excellent	Single price point

Volume/Orderflow Based

Level	Fit	Notes
POC (Point of Control)	Excellent	Single price, clear zone with proximity
Value Area High (VAH)	Excellent	Clear price boundary
Value Area Low (VAL)	Excellent	Clear price boundary
High Volume Node (HVN)	Good	Zone where volume clustered, needs clustering algo
Low Volume Node (LVN)	Good	Zone with low volume, needs detection
VWAP	Moderate	Moves every bar - better as DSL function
VWAP Bands ($\pm 1/2/3$ std)	Moderate	Dynamic bands - better as DSL function
Anchored VWAP	Good	Fixed anchor makes it more stable
Previous Day POC/VAH/VAL	Excellent	Fixed for the day, great reference
Weekly POC	Excellent	Fixed for the week
Developing POC	Poor	Changes every bar - use DSL function instead

Technical Indicator Levels

Level	Fit	Notes
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200 SMA/EMA	Poor	Moves every bar - use DSL price > SMA(200)
50 SMA/EMA	Poor	Moves every bar - use DSL
20 SMA/EMA	Poor	Moves every bar - use DSL
Bollinger Bands	Poor	Dynamic bands - use DSL BBANDS(20,2).upper
Keltner Channels	Poor	Dynamic - use DSL
Ichimoku Cloud (Senkou A/B)	Moderate	Cloud edges are zones, but shift forward
Supertrend Line	Poor	Flips dynamically - better as DSL/phase
Parabolic SAR	Poor	Dots every bar - use DSL

Summary: Most indicator-based "levels" are really just indicator values that move. Better accessed via DSL functions in conditions, not as static levels.

Pivot Points

Level	Fit	Notes
Traditional Pivots (PP, R1-R3, S1-S3)	Excellent	Fixed for period, clear prices
Fibonacci Pivots	Excellent	Fixed for period
Camarilla Pivots	Excellent	Fixed for period
Woodie's Pivots	Excellent	Fixed for period
Central Pivot Range (CPR)	Excellent	Zone with TC/Pivot/BC bounds

Market Structure / SMC (ICT)

Level	Fit	Notes
Order Blocks	Good	Zone (candle range), but needs mitigation tracking
Fair Value Gaps (FVG)	Good	Zone (gap bounds), needs fill tracking
Breaker Blocks	Moderate	Failed OB, more complex lifecycle
Mitigation Blocks	Moderate	Partially filled, state tracking needed
Liquidity Pools	Excellent	Clear zone above/below swing H/L
Premium/Discount Zones	Excellent	50% of range - simple calculation
Break of Structure (BOS)	Good	Price where break occurred
Change of Character (CHoCH)	Good	Price where character changed

Gap Levels

Level	Fit	Notes
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Overnight Gap	Excellent	Clear zone (close to open range)
Weekend Gap	Excellent	Friday close to Sunday open
Earnings Gap	Excellent	Fixed historical zone
CME Futures Gap	Excellent	Well-known zones, clear bounds
Breakaway Gap	Good	Gap on breakout, needs classification
Exhaustion Gap	Moderate	Needs context to identify

Psychological / Round Numbers

Level	Fit	Notes
Major Round Numbers (\$50k, \$100k)	Excellent	Static, psychological significance
Minor Round Numbers (\$51k, \$52k)	Excellent	Static, simple to generate
Quarter Levels (\$X.25, \$X.50, \$X.75)	Excellent	Static
Options Strikes (High OI)	Good	Needs external data, but clear prices
Liquidation Clusters	Moderate	Estimated, needs external data

Event-Based Levels

Level	Fit	Notes
FOMC High/Low	Excellent	Fixed historical range
CPI Release Range	Excellent	Fixed historical range
NFP Range	Excellent	Fixed historical range
ETF Approval/Denial Price	Excellent	Fixed historical price
Halving Price	Excellent	Fixed historical price
Major Crash Low (Covid, 2022)	Excellent	Fixed historical price
Cycle ATH	Excellent	Fixed historical price

Correlation / Cross-Market

Level	Fit	Notes
DXY Key Levels	Moderate	Different asset - needs data feed
SPX Key Levels	Moderate	Different asset - needs data feed
Gold Key Levels	Moderate	Different asset - needs data feed
Bond Yield Levels	Moderate	Different asset - needs data feed

Funding Rate Extremes	Poor	Not a price level - this is a PHASE
Open Interest Clusters	Good	Price levels with high OI

Pattern-Based Levels

Level	Fit	Notes
Necklines (H&S, Double Top)	Good	Clear price after pattern detected
Triangle Boundaries	Moderate	Angled lines, complex zone definition
Channel Lines	Moderate	Angled, better as ray concept
Trendline Breaks	Moderate	Already have Rays for this
Cup & Handle Rim	Good	Clear price level
Flag Pole Projection	Good	Calculated target zone

Historical / Anchored

Level	Fit	Notes
Previous Bear Market Low	Excellent	Fixed historical price
Previous Bull Market High	Excellent	Fixed historical price
Launch/ICO Price	Excellent	Fixed price (needs manual input)
MVRV Extremes	Poor	Valuation metric, not price level
Realized Price	Good	On-chain price level (needs data)

Advanced Orderflow Levels

Level	Fit	Notes
Cumulative Delta Extremes	Poor	Delta value, not price - use DSL
Delta Divergence Zones	Moderate	Where divergence happened - needs detection
Absorption Zones	Good	Price zones with absorption
Initiative vs Responsive	Poor	Classification, not price zone
Imbalance Stack Zones	Good	Price zones with stacked imbalances
Whale Trade Clusters	Good	Price zones with large trades
Liquidation Cascade Zones	Good	Where cascades occurred
Funding Rate Flip Levels	Good	Price when funding flipped
Open Interest Spike Levels	Good	Price at OI spikes

Footprint Absorption	Poor	Per-candle metric - use DSL
Delta Flip Levels	Good	Price when delta flipped
Volume Imbalance Zones	Good	Where order book was one-sided

Astronomical / Calendar Anchored

Level	Fit	Notes
Full Moon Price	Excellent	Price at specific time
New Moon Price	Excellent	Price at specific time
Lunar Cycle High/Low	Excellent	Range within lunar cycle
Solstice/Equinox Prices	Excellent	Price at specific dates
Mercury Retrograde Start/End	Excellent	Price at specific dates
Year Start Price (Astrological)	Excellent	Price at specific date
Eclipse Prices	Excellent	Price at specific events

News / Analyst Targets

Level	Fit	Notes
Analyst Price Targets	Excellent	Clear target prices
ETF Approval/Rejection Price	Excellent	Fixed historical price
Major News Event Price	Excellent	Fixed historical price
Percentage from News Target	Excellent	Calculated price zones
Consensus Target	Excellent	Average of targets
Bear Case Target	Excellent	Specific target price
Bull Case Target	Excellent	Specific target price
Round Target Zones	Excellent	Round number targets
Stock-to-Flow Target	Moderate	Model prediction, may need external calc
Rainbow Chart Bands	Good	Log regression bands, needs calculation
Power Law Corridor	Good	Power law bounds

Percentage/Ratio Projections

Level	Fit	Notes
X% from ATH (drawdown)	Excellent	Simple calculation from ATH

X% from ATL (rally)	Excellent	Simple calculation from ATL
X% of Range	Excellent	Quartiles of ATH-ATL range
X% Retracement of Last Move	Good	Like fib but simpler
Measured Move Targets	Excellent	100%, 150%, 200% projections
Risk/Reward Ratio Levels	Poor	Per-trade, not market level
Average Daily Range (ADR)	Moderate	From open, dynamic reference
Average True Range (ATR)	Poor	Volatility measure, not price - use DSL

Summary by Fit Rating

Excellent Fit (Core Level Types) - 67 items

Perfect for the levels concept:

- All HTF structure (opens, highs, lows)
- All ATH/ATL variations
- Fibonacci retracements/extensions
- Pivot points
- Round numbers
- Event-based historical prices
- Percentage projections from anchors
- Astronomical anchors
- Analyst targets

Good Fit (Usable with Caveats) - 28 items

Works well but needs specific handling:

- Order Blocks, FVG (need fill/mitigation state)
- Volume profile nodes
- Anchored VWAP
- Pattern-based (necklines, projections)
- Orderflow price zones (absorption, whale clusters)

Moderate Fit (Consider Carefully) - 18 items

May work but has limitations:

- Dynamic angled lines (triangles, channels)
- Cross-market levels (need external data)
- Some orderflow derived levels
- Ichimoku cloud edges

Poor Fit (Use DSL Instead) - 17 items

Better as DSL functions or phases:

- Moving averages (SMA, EMA)
- Bollinger Bands
- VWAP (non-anchored)
- Supertrend, SAR
- CVD/Delta values

- Developing POC
- ATR (volatility measure)
- Funding rate extremes (→ PHASE)

Bad Fit - 2 items

Doesn't work as level:

- Fib Time Zones (time-based → PHASE)
 - MVRV (valuation ratio, not price)
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Recommendation

Implement in Tier 1:

- ATH/ATL (Excellent fit, foundation)
- Fibonacci (Excellent fit, widely used)
- HTF Structure (Excellent fit, institutional)
- S/R Zones (Excellent fit, swing-based)
- Round Numbers (Excellent fit, simple)
- Percentage Projections (Excellent fit, simple)

Move to DSL functions (not levels):

- Moving averages
- Bollinger/Keltner bands
- VWAP (non-anchored)
- Supertrend, SAR
- CVD/Delta values
- ATR

Move to Phases (time-based):

- Fib Time Zones
- Funding Rate Extremes
- MVRV Extremes