PSEDYS | TECHNICAL REFERENCE MANUAL V3.0

Fibonacci Time Zones — FTZ

Fibonacci Time Zones — FTZ

Technical Reference Manual v1.0

PSEDYS | Complete Edition
Temporal Projection · Fibonacci Sequence in Time · Confluence with Price Levels · Limitations · MTF · PSEDYS

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1. What are Fibonacci Time Zones? Concept

Fibonacci Time Zones (FTZ) project **future bars/periods** at intervals from the Fibonacci sequence relative to a starting point. The idea: major market movements tend to occur at Fibonacci time intervals from a previous event.

Temporal Fibonacci sequence: 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89, 144...

Each vertical FTZ = a potential temporal zone of change.

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2. FTZ Calculation

```
Anchor point: starting bar (e.g., major swing high or swing low)

FTZ[n] = Start_Bar + Fibonacci[n]

Examples (starting at bar 100):
  FTZ[1]  = bar 100 + 1  = bar 101
  FTZ[2]  = bar 100 + 2  = bar 102
  FTZ[3]  = bar 100 + 3  = bar 103
  FTZ[5]  = bar 100 + 5  = bar 105
  FTZ[8]  = bar 100 + 8  = bar 108
  FTZ[13] = bar 100 + 13 = bar 113
  FTZ[21] = bar 100 + 21 = bar 121
  FTZ[34] = bar 100 + 34 = bar 134
  FTZ[55] = bar 100 + 55 = bar 155
```

Alternative variant: Distance between 2 anchor points (bar A to bar B) multiplied by Fibonacci ratios for future projection:

```
Distance AB = B - A (bars)
FTZ_projected = B + AB × ratio
  ratio = 1.0, 1.618, 2.618, etc.
```

3. Interpretation and Usage

```
At each vertical FTZ line: potential trend change or major impulse

FTZ is a TIMING indicator (when), not a PRICE indicator (where).
  → Indicates bars where price might reverse or accelerate
  → DOES NOT indicate the exact price

Practical utility:
  1. Indicates temporal zones of heightened attention
  2. At FTZ confluence with Fib Price Level or Support/Resistance = strong setup
  3. Confirms that the retracement will be "completed" at a certain FTZ bar
```

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4. FTZ Confluence with Price Levels

```
Ideal setup:
  Price approaches Fib Ret 61.8% at the same bar as FTZ[21]
  + RSI in OS
  + EMA stack bullish
  → Temporal + spatial confluence = maximum quality entry

Example:
  Swing High at bar 50, swing Low at bar 65
  FTZ from bar 50: bar 50+21 = bar 71
  Fib Ret 61.8% (from previous swing Low): price at bar 71 = at 61.8% level
  → Double confluence → Long entry
```

5. FTZ Limitations

```
FTZ is NOT deterministically predictive:
  - Not every FTZ line produces a change
  - Market frequently ignores FTZ lines
  - Useful only in combination with other indicators

FTZ requires subjective choice of starting point:
  - Different traders choose different bars → different lines
  - Backtesting: adjust points to "look good" retrospectively (hindsight bias)

CONCLUSION: FTZ is an auxiliary tool for temporal confirmation,
not a primary trading indicator.
```

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6. MTF and PSEDYS

```
# FTZ calculation
def fib_time_zones(start_bar_index, n_zones=12):
    fib_sequence = [1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89, 144, 233]
    zones = []
    for i in range(min(n_zones, len(fib_sequence))):
        zones.append(start_bar_index + fib_sequence[i])
    return zones

# Proximity to FTZ
def near_ftz(current_bar, ftz_bars, tolerance=2):
    return any(abs(current_bar - ftz) <= tolerance for ftz in ftz_bars)

# Usage
ftz_bars = fib_time_zones(anchor_bar_idx)
if near_ftz(current_bar_idx, ftz_bars):
    # Heightened attention to this timing
    check_price_confluences()
```

7. Practical Exercises

Exercise 1: Swing High at bar 100, we are at bar 113 (FTZ[13])

Situation: BTC. Swing High at bar 100 (4H). At bar 113 (FTZ[13] = 100+13), price is at Fib Ret 61.8% + RSI = 38.

Answer: Temporal + spatial confluence — quality Long entry. FTZ[13] coincides with Fibonacci 61.8% and RSI near OS. Long entry with SL below 78.6% Fib. TP at last HH. If both spatial and temporal indicators converge → normal/increased sizing.

Exercise 2: FTZ line at bar 125 but price at 127 — skip?

Situation: FTZ[21] was at bar 121 (swing + 21 bars). Price did not react. Now at bar 126 without trigger.

Answer: Skip — FTZ ignored. FTZ[21] passed without price reaction → market ignored that temporal line (frequently). Do not force a trade based on expired FTZ. Wait for FTZ[34] or a clear price confluence independent of Fibonacci timing.

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8. Cheat Sheet

Concept	Rule
FTZ	Vertical lines at Fibonacci intervals from anchor
Sequence	1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89...
Usage	Timing potential changes (not exact prediction)
Confluence	FTZ + Fib Price + RSI OS/OB = quality setup
Limitation	Subjective (manually chosen anchor); frequently ignored
Prediction	Auxiliary — not primary indicator
Backtesting	Risk of hindsight bias (anchors selected retrospectively)
MTF	FTZ on 4H/1D more significant

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