

HydroPhase Analysis Report

File: whale_noice_analysis

Date: 05.12.2025, 02:35:40

Signal Characteristics

Sampling_rate: 8000

Num_channels: 1

Bit_depth: 16

Signal_length_seconds: 24

Num_samples: 192000

File_size_bytes: 384044

Max_amplitude: 0.97653

Avg_amplitude: 0.13011

Phase Statistics

Mean_phase: 0.0257

Phase_variance: 3.3093

Coherence: N/A

Phase_entropy: 3.5819

Circular_mean: 2.0069

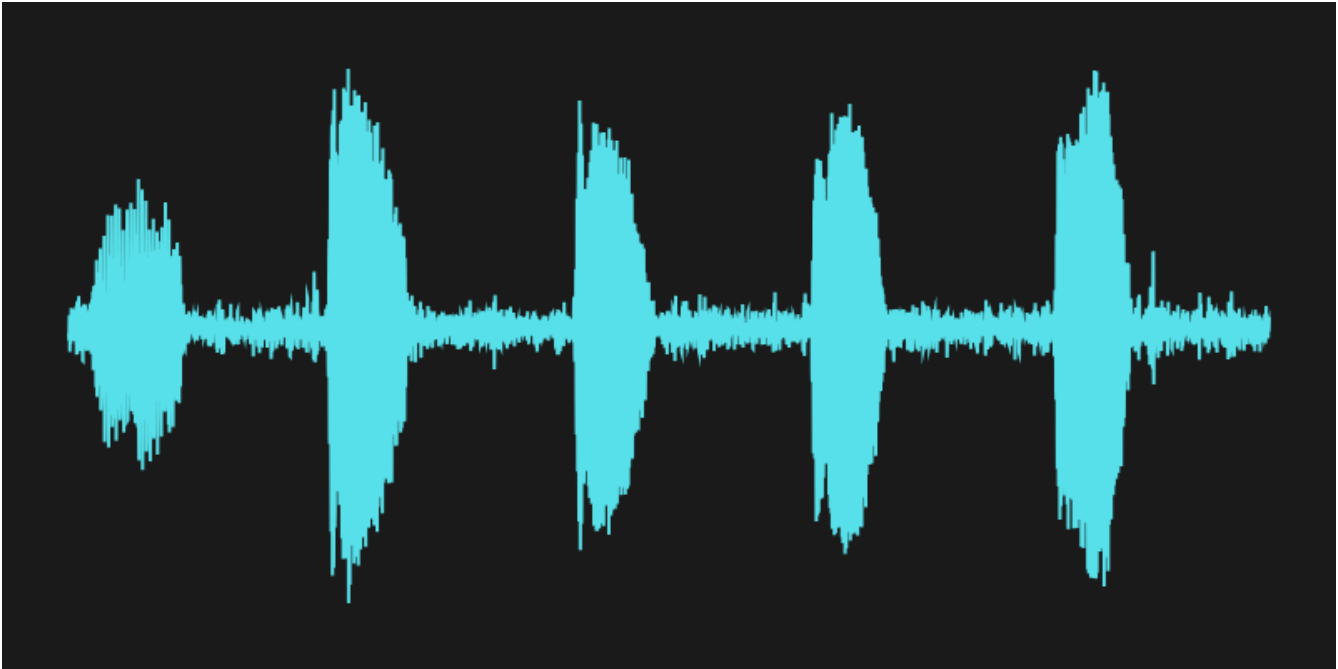
Circular_variance: 0.9859

Amplitude_weighted_average: -0.0748

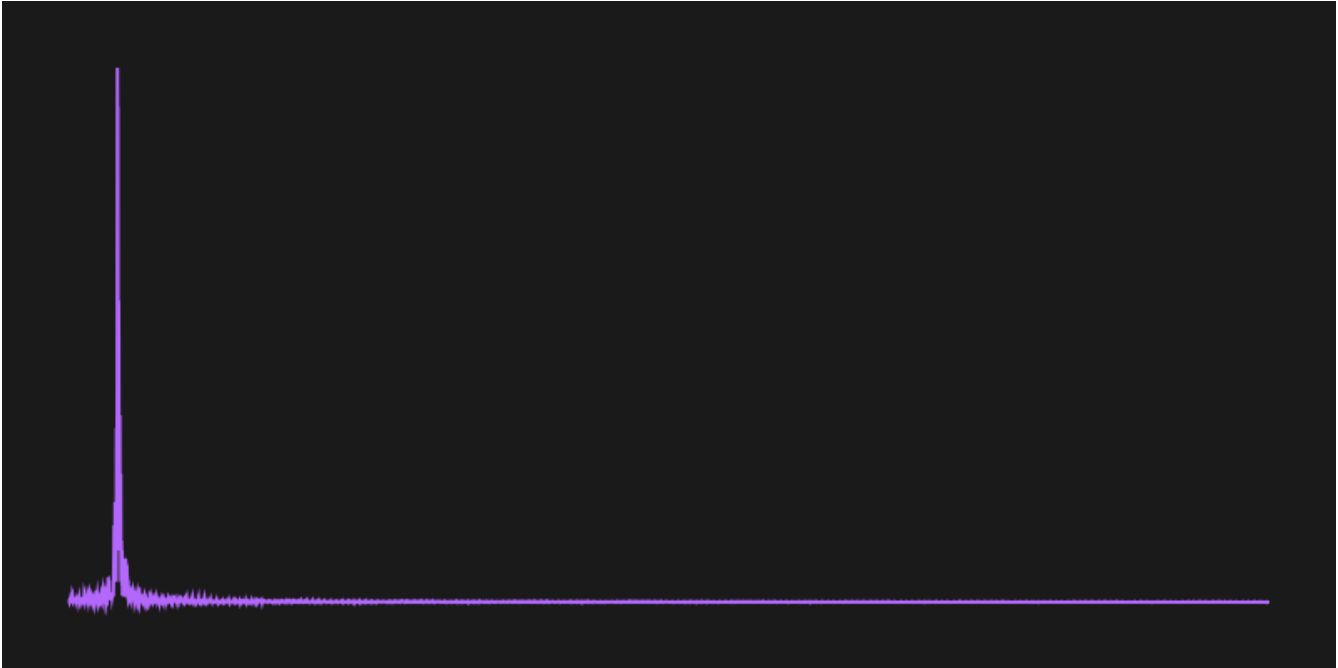
Phase_transition_count: 2992

Visual Analysis

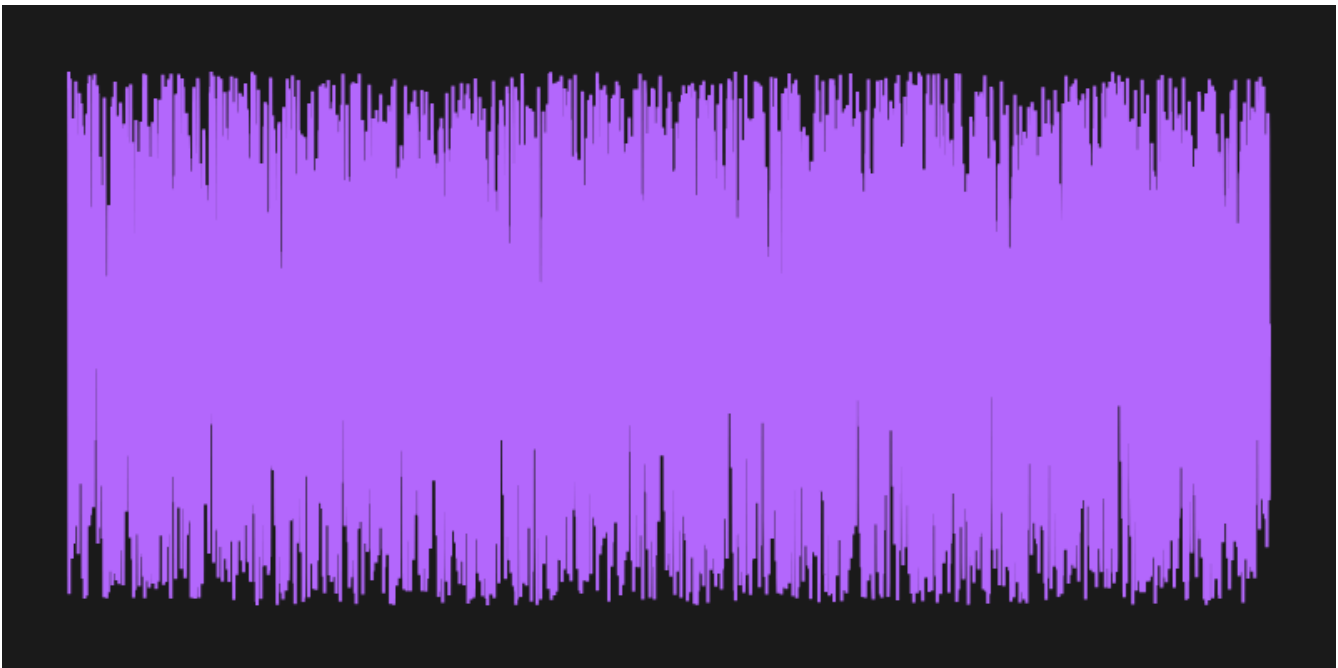
Oscillogram



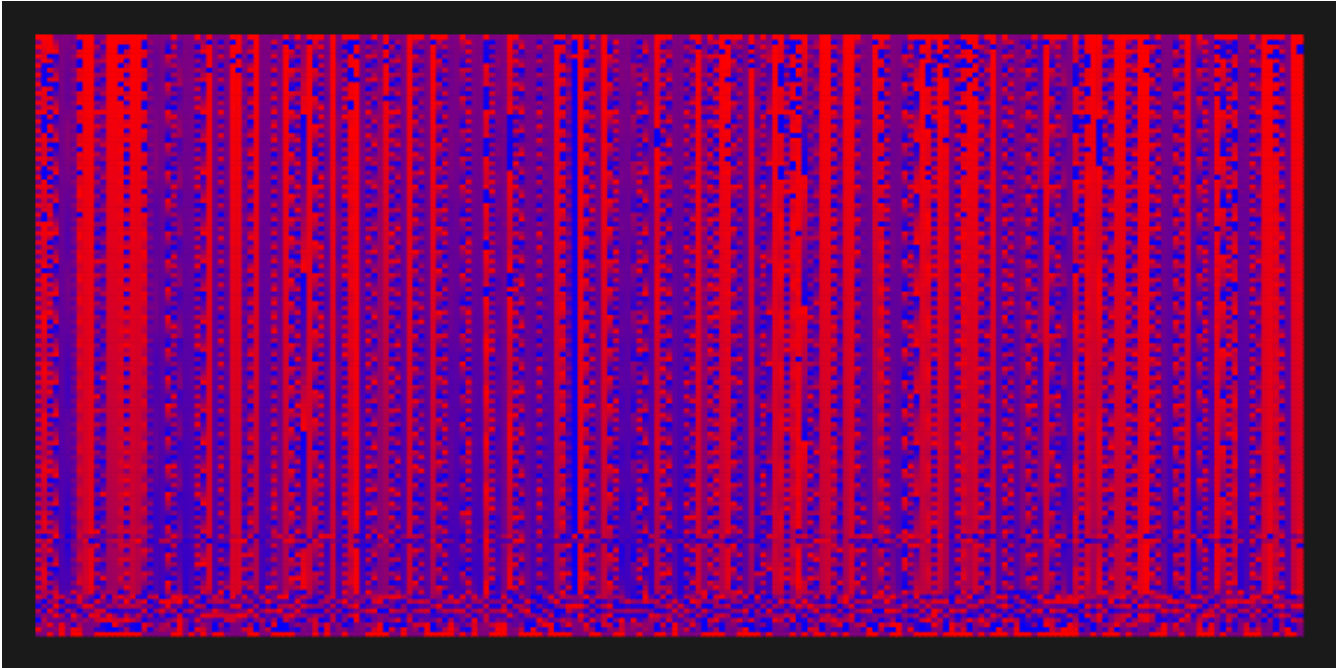
Amplitude Spectrum



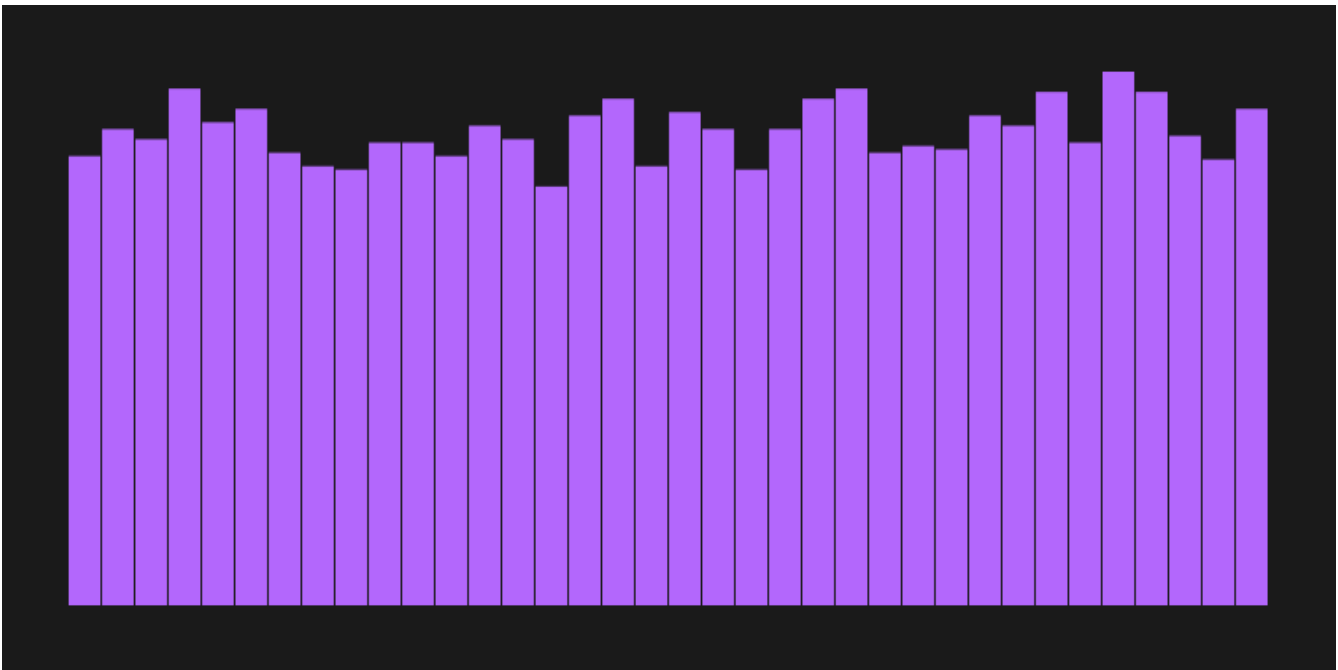
Phase Spectrum



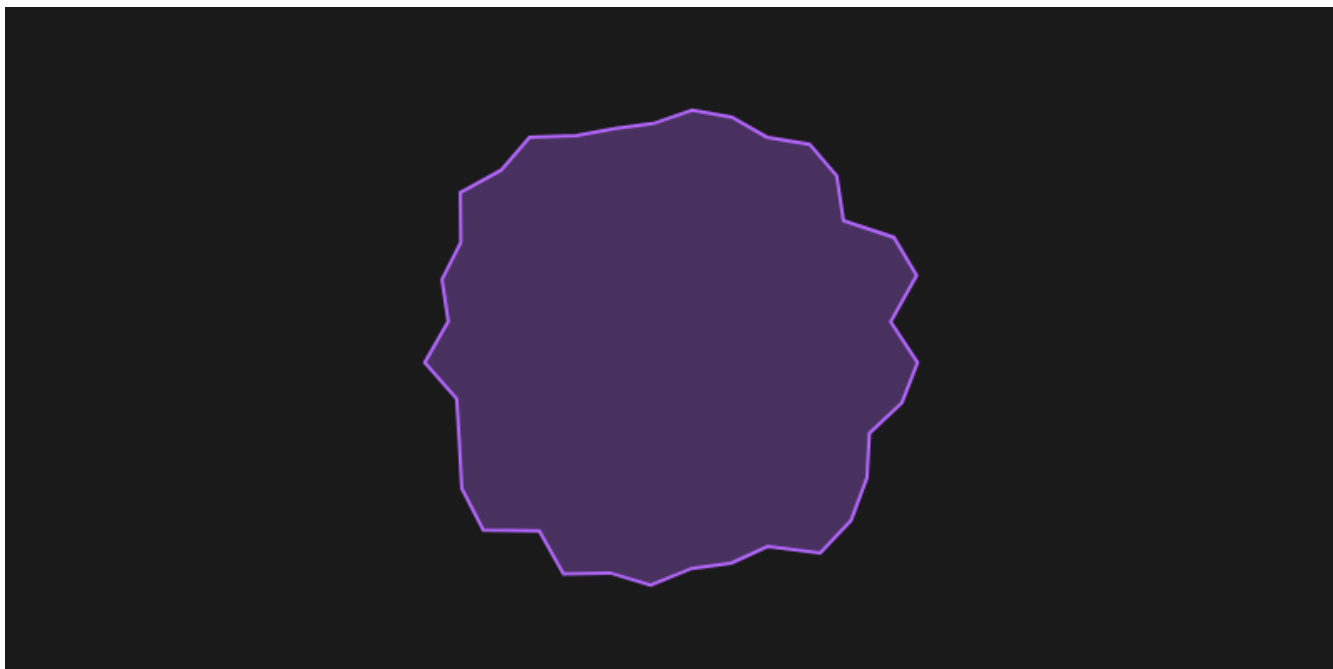
Phasegram



Phase Histogram



Rose Plot



Coherence

