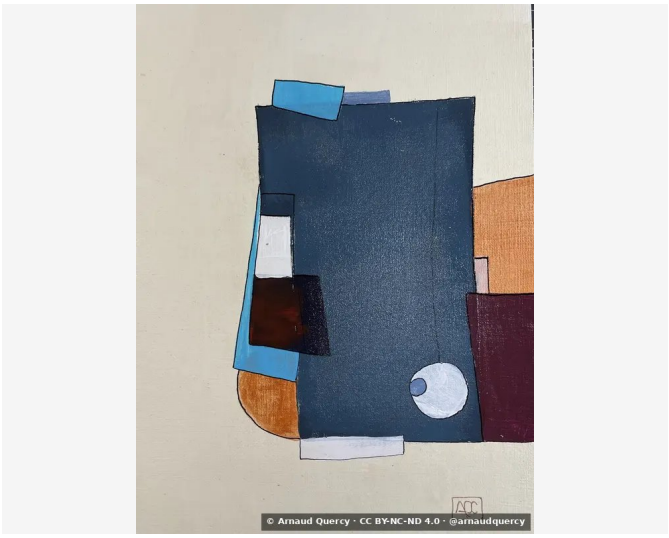
AQC0594 | NAN-COL000351

Nanopublication — Computational Image Analysis - AQC0594

by Arnaud Quercy · F minor - Research on Harmony · 2024



CLAIM 1: COMPUTATIONAL IMAGE ANALYSIS - AQC0594

Analysis record: F minor - Research on Harmony (AQC0594) [1] by Arnaud Quercy [2], per IDS-CMP-2025 [3]. Method: k-means. Parameters: 10 colors. Metrics: color distribution, texture, brightness, spatial patterns. Completed: 2025-10-03.

CONTEXT

Analysis performed according to IDS-CMP-2025 [3] includes four metric categories: (a) Color distribution via k-means (10 colors), (b) Texture analysis using Haralick features, (c) Brightness and contrast measurements, (d) Spatial pattern characterization. Source image: 2558x3411 pixels. Analysis date: 2025-10-03.

A) COLOR ANALYSIS

Rank	Color	Hex	%	Family	Name
1		CDC7BB	41.5	yellow-orange	silver
2		293D54	18.7	blue-violet	grayish purple
3		D9D7D0	16.5	white	lightgray
4		44576E	6.4	blue-violet	grayish purple
5		451F2D	4.2	red	very dark red
6		1B1015	3.4	red	black
7		708299	2.9	blue-violet	grayish purple
8		D69567	2.4	orange	darksalmon
9		4895C3	2.1	blue	steelblue
10		AE6633	1.9	orange	burnt sienna
11		8C7771	0.3	red-orange	gray [Accent]

Color Families:

Family	%
yellow-orange	41.5
blue-violet	28.0
white	16.5
red	7.5
orange	4.3
blue	2.1
red-orange	0.3

Accent Colors:

Hex	Family	Name	Chroma
8C7771	red-orange	gray	9.2

B) TEXTURE ANALYSIS

Metric	Value
Global Roughness	0.272
Mean Local Roughness	0.028
Roughness Uniformity	0.042
Edge Density	0.087
Mean Gradient Magnitude	0.19
Gradient Variance	0.125
Gradient Smoothness	0.0
Directional Coherence	0.095
Pattern Complexity	0.123
Pattern Repetition	1.0
Detail Frequency Ratio	0.683
Spatial Variation	0.185
Texture Consistency	0.443

C) BRIGHTNESS & CONTRAST ANALYSIS

Metric	Value
Mean Brightness	0.589
Brightness Variance	0.272
Brightness Uniformity	0.539
Brightness Skewness	-0.605
Brightness Entropy	6.85
Rms Contrast	0.272
Michelson Contrast	1.0
Weber Contrast	0.77
Mean Local Contrast	0.027
Contrast Uniformity	0.0
Dynamic Range	1.0
Effective Dynamic Range	0.698
Shadow Percentage	29.687
Midtone Percentage	11.301
Highlight Percentage	59.012
Shadow Clipping	0.018
Highlight Clipping	0.006
Tonal Balance	0.0
Fine Contrast	0.017
Medium Contrast	0.035
Coarse Contrast	None
Multiscale Contrast Ratio	1.0
Edge Contrast	0.19
Contrast Clustering	0.557

D) SPATIAL DISTRIBUTION ANALYSIS

Metric	Value
Spatial Coherence	0.761
Color Clustering	0.834
Color Transition Smoothness	0.496
Transition Uniformity	0.127
Sharp Transition Ratio	0.1
Transition Directionality	0.112
Mean Saturation	0.264
Saturation Variance	0.052
Low Saturation Ratio	0.609
Medium Saturation Ratio	0.364
High Saturation Ratio	0.027
Saturation Clustering	0.997
Hue Concentration	0.559
Complementary Balance	0.091
Analogous Dominance	0.749
Temperature Bias	-0.483

Methodology

This analysis employs standardized computational methods for objective image characterization. Color extraction uses k-means clustering algorithm. Texture analysis applies Haralick feature extraction. Brightness metrics include mean, variance, and distribution analysis. Spatial patterns are characterized through coherence and clustering measurements. All methods are deterministic and reproducible. Analysis performed by Ideamorphic Studies' computational imaging systems.

REFERENCES

[1] Quercy, A. (2024). F minor - Research on Harmony - Catalogue Raisonné. https://arnaudquercy.art/en/catalogue-raisonne/AQC0594.html

[2] Quercy, A. (2025). ORCID https://orcid.org/0009-0000-2662-7790

[3] Quercy, A. (2026). Computational Image Analysis Standard. https://ideamorphism.org/en/measurements/2025/09/ids-cmp-2025-computational-image-analysis-standard-5dq9.html

EPISTEMIC PROFILE

Claim type	computational analysis
Voice	third person
Epistemic status	empirical measurement
Methodology	computational analysis
Certainty	high

CHECKSUM (SHA-256)

ec839ddfaa46c0f38580d916cf74f3819e6c7e6b97e8c953c50f1a00ad3aecac

Artist Arnaud Quercy
Date 2024
Collection Harmonic Crossing
Certificate 20240602-0090

Asset code AQC0594
Identifier NAN-COL000351
Version 1
Published 2025-10-03

ISSN: applied for — U.S. ISSN Center, Library of Congress

Published by Art Quam Anima Publishing New York,
an assumed name of AQA Publishing LLC

c/o Northwest Registered Agent, 418 Broadway Ste N
Albany, NY 12207, USA
+1 917-764-5470

NY DOS ID 7624376 · Assumed Name ID 7658709

publishing.artquamanima.com

Last updated: 2026-09-15

Persistent URI: https://ideamorphism.org/en/nanopubs/2025/10/AQC0594-computational-image-analysis-aqc0594.pdf