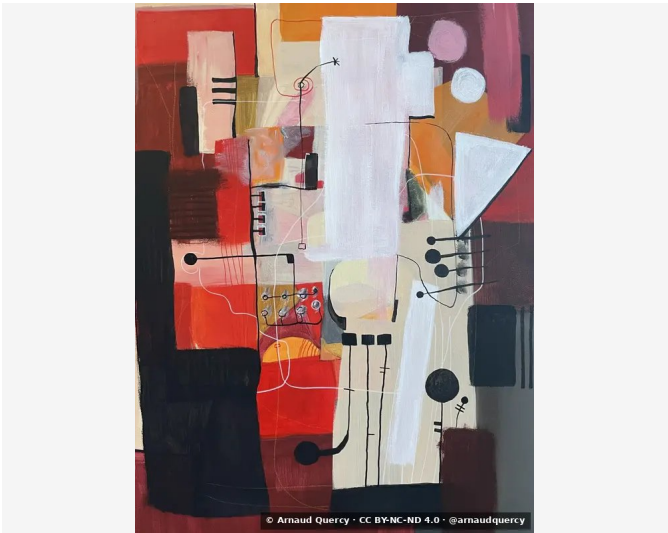


Nanopublication – Computational Image Analysis – AQC0495

by Arnaud Quercy · Unveiling the Cosmos Dawning of Reason · 2023



CLAIM 1: COMPUTATIONAL IMAGE ANALYSIS - AQC0495

Analysis record: Unveiling the Cosmos Dawning of Reason (AQC0495) [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: 1926x2560 pixels. Analysis date: 2025-10-03.

A) COLOR ANALYSIS

Rank	Color	Hex	%	Family	Name
1		1E2027	18.4	blue-violet	very dark gray
2		D3D8E2	16.2	blue-violet	gainsboro
3		CDC4B7	15.7	yellow-orange	silver
4		3C2D31	9.0	red	darkslategray
5		C53229	8.8	red-orange	firebrick
6		555157	8.0	gray	dusty mauve
7		CCA295	6.8	red-orange	tan
8		712F2C	6.6	red-orange	russet
9		9C5F63	5.4	red-orange	indianred
10		C67E44	5.2	orange	peru
11		F4EBCE	0.3	yellow	antiquewhite [Accent]
12		977E94	0.3	red-violet	dusty mauve [Accent]

Color Families:

Family	%
blue-violet	34.6
red-orange	27.6
yellow-orange	15.7
red	9.0
gray	8.0
orange	5.2
yellow	0.3
red-violet	0.3

Accent Colors:

Hex	Family	Name	Chroma
F4EBCE	yellow	antiquewhite	15.1
977E94	red-violet	dusty mauve	16.1

B) TEXTURE ANALYSIS

Metric	Value
Global Roughness	0.277
Mean Local Roughness	0.019
Roughness Uniformity	0.027
Edge Density	0.056
Mean Gradient Magnitude	0.14
Gradient Variance	0.083
Gradient Smoothness	0.0
Directional Coherence	0.128
Pattern Complexity	0.118
Pattern Repetition	1.0
Detail Frequency Ratio	0.618
Spatial Variation	0.19
Texture Consistency	0.739

C) BRIGHTNESS & CONTRAST ANALYSIS

Metric	Value
Mean Brightness	0.476
Brightness Variance	0.277
Brightness Uniformity	0.418
Brightness Skewness	0.133
Brightness Entropy	7.475
Rms Contrast	0.277
Michelson Contrast	1.0
Weber Contrast	0.85
Mean Local Contrast	0.02
Contrast Uniformity	0.0
Dynamic Range	1.0
Effective Dynamic Range	0.749
Shadow Percentage	39.969
Midtone Percentage	23.841
Highlight Percentage	36.19
Shadow Clipping	0.005
Highlight Clipping	0.002
Tonal Balance	0.132
Fine Contrast	0.01
Medium Contrast	0.025
Coarse Contrast	None
Multiscale Contrast Ratio	1.0
Edge Contrast	0.14
Contrast Clustering	0.261

D) SPATIAL DISTRIBUTION ANALYSIS

Metric	Value
Spatial Coherence	0.699
Color Clustering	0.753
Color Transition Smoothness	0.632
Transition Uniformity	0.443
Sharp Transition Ratio	0.1
Transition Directionality	0.124
Mean Saturation	0.311
Saturation Variance	0.06
Low Saturation Ratio	0.571
Medium Saturation Ratio	0.32
High Saturation Ratio	0.109
Saturation Clustering	0.999
Hue Concentration	0.524
Complementary Balance	0.145
Analogous Dominance	0.74
Temperature Bias	0.502

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. (2023). Unveiling the Cosmos Dawning of Reason - Catalogue Raisonné. <https://arnaudquercy.art/en/catalogue-raisonne/AQC0495.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)

acce754373484a39edd9af5ba590b77f178a8ebcfe7e7b5c88ae4392887e92f0

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