AQC0493

Nanopublication — Computational Image Analysis - AQC0493

by Arnaud Quercy · Transcendent Nexus - A Visual Dialogue on Faith and Reason · 2023

Claim 1: Computational Image Analysis - AQC0493

> Analysis record [3]: Transcendent [1] Nexus - A Visual Dialogue on Faith and Reason (AQC0493) [2] by Arnaud Quercy [2]. Method: k-means. Parameters: 10 colors. Metrics: color distribution, texture, brightness, spatial patterns. Completed: 2025-12-17.

CONTEXT

Analysis performed according to MMIDS-CMP-2025 [3] includes four metric categories: (1) Color distribution via k-means (10 colors), (2) Texture analysis using Haralick features, (3) Brightness and contrast measurements, (4) Spatial pattern characterization. Source image [5]: 1920x2560 pixels. Analysis date: 2025-12-17.

COLOR ANALYSIS

Rank	Color	Hex	%	Family	Name
1		687C82	24.3	blue	blue gray
2		3A1D2F	20.9	red-violet	very dark purple
3		C3321D	12.0	red-orange	firebrick
4		553545	10.5	red	dusty mauve
5		6D4F59	8.8	red	dusty mauve
6		DB422E	7.6	red-orange	chocolate
7		982F19	5.7	red-orange	brown
8		E87160	4.8	red-orange	salmon
9		BDA789	3.1	yellow-orange	rosybrown
10		B4B6BB	2.3	gray	silver
11		F2A081	0.3	orange	lightsalmon [Accent]
12		8497AC	0.3	blue-violet	lightslategray [Accent]
13		829C9D	0.3	blue-green	lightslategray [Accent]

Color Families:

Family	%
red-orange	30.1
blue	24.3
red-violet	20.9
red	19.3
yellow-orange	3.1
gray	2.3
orange	0.3
blue-violet	0.3
blue-green	0.3

Accent Colors:

Hex	Family	Name	Chroma
F2A081	orange	lightsalmon	39.6
8497AC	blue-violet	lightslategray	13.2
829C9D	blue-green	lightslategray	9.8

TEXTURE ANALYSIS

Metric	Value
Global Roughness	0.15
Mean Local Roughness	0.013
Roughness Uniformity	0.015
Edge Density	0.048
Mean Gradient Magnitude	0.095
Gradient Variance	0.02
Gradient Smoothness	0.0
Directional Coherence	0.111
Pattern Complexity	0.112
Pattern Repetition	1.0
Detail Frequency Ratio	0.661
Spatial Variation	0.111
Texture Consistency	0.547

BRIGHTNESS & CONTRAST ANALYSIS

Metric	Value
Mean Brightness	0.362
Brightness Variance	0.15
Brightness Uniformity	0.586
Brightness Skewness	0.3
Brightness Entropy	7.075
Rms Contrast	0.15
Michelson Contrast	0.969
Weber Contrast	0.699
Mean Local Contrast	0.013
Contrast Uniformity	0.0
Dynamic Range	0.984
Effective Dynamic Range	0.506
Shadow Percentage	40.215
Midtone Percentage	56.011
Highlight Percentage	3.774
Shadow Clipping	0.0
Highlight Clipping	0.0
Tonal Balance	0.0
Fine Contrast	0.007
Medium Contrast	0.016
Coarse Contrast	None
Multiscale Contrast Ratio	1.0
Edge Contrast	0.095
Contrast Clustering	0.453

SPATIAL DISTRIBUTION ANALYSIS

Metric	Value
Spatial Coherence	0.775
Color Clustering	0.368
Color Transition Smoothness	0.741
Transition Uniformity	0.871
Sharp Transition Ratio	0.1
Transition Directionality	0.114
Mean Saturation	0.469
Saturation Variance	0.063
Low Saturation Ratio	0.348
Medium Saturation Ratio	0.397
High Saturation Ratio	0.254
Saturation Clustering	1.0
Hue Concentration	0.647
Complementary Balance	0.11
Analogous Dominance	0.796
Temperature Bias	0.668

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 Multimodal Institute's computational imaging systems.

REFERENCES

[1] Arnaud Quercy (2023). Transcendent Nexus - A Visual Dialogue on Faith and Reason — Catalog raisonné. https://arnaudquercy.art/en/catalogue-raisonne/AQC0493.html

[2] Quercy, A. (2025). Untitled - Gallery. https://artquamanima.com/en/artworks/2023/01/transcendent-nexus-a-visual-dialogue-on-faith-and-reason_5jy.html

[3] Quercy, A. (2025). Computational Image Analysis Standard - MMIDS-CMP-2025 https://multimodal.institute/en/publications/2025/11/mmids-cmp-2025-computational-image-analysis-standard-dg1.html

EPISTEMIC PROFILE

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

CHECKSUM (SHA-256)

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