LUT Delivery Report

Session: Synthetic CLF to Cube conversion
Date: 10/27/2026, 12:00 AM
PatternSpace: repository reporting code (documentation harness)
Project: LUT conversion guide example

Notes

Synthetic source: R=x^2.2, G=x^2.0, B=x^1.8 on a 33³ grid.
Source → Export; no operations, no reference LUT. Tetrahedral interpolation.
Generated with repository reporting code; this is not a released app build or a display measurement.

Outputs

Cube 17³ — Written — max. chain-to-export difference 0.001447
Cube 33³ — Written — max. chain-to-export difference 0

Source

Name: example-source-33.clf
Kind: 3D · 33³
Digest: f069348f7e28
Output range: R 0–1 · G 0–1 · B 0–1
Monotonic breaks on the grey axis: 0
Maximum crosstalk: 0

Cube 17³

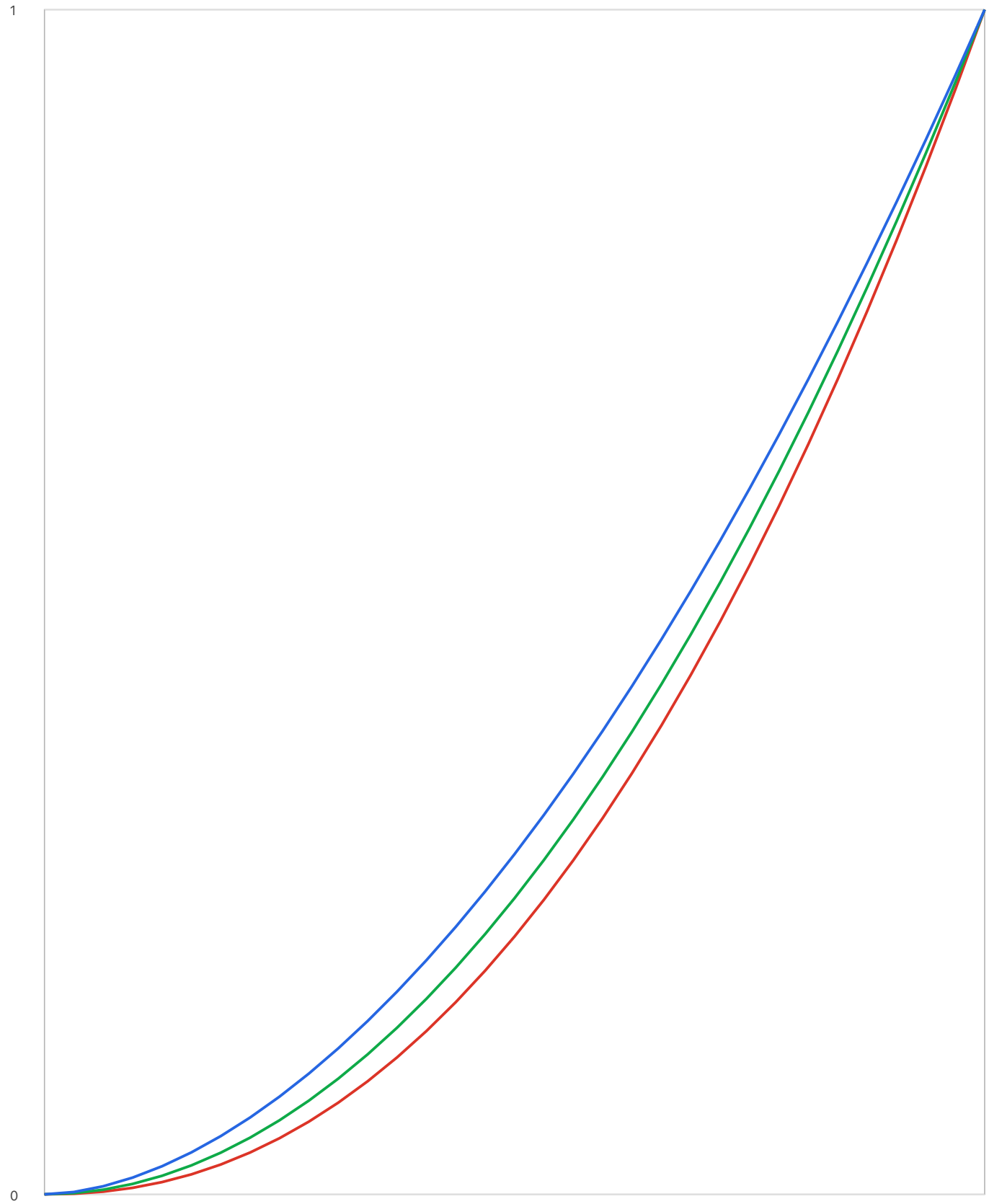
Result: Written
File: example-cube-17.cube
Effects: Re-encoded, Resampled, Metadata omitted
Chain-to-export difference: mean 0.0004799, RMS 0.0006043, maximum 0.001447 (B at 0, 0, 0.0312)
68,897 of 68,897 probes compared
Export verification difference (against the source): mean 0.0004798, RMS 0.0006044, maximum 0.001447

Cube 33³

Result: Written
File: example-cube-33.cube
Effects: Re-encoded, Metadata omitted
Chain-to-export difference: mean 0, RMS 0, maximum 0 (R at 0, 0, 0)
68,897 of 68,897 probes compared
Export verification difference (against the source): mean 0, RMS 0, maximum 0

Intended change (source → chain)

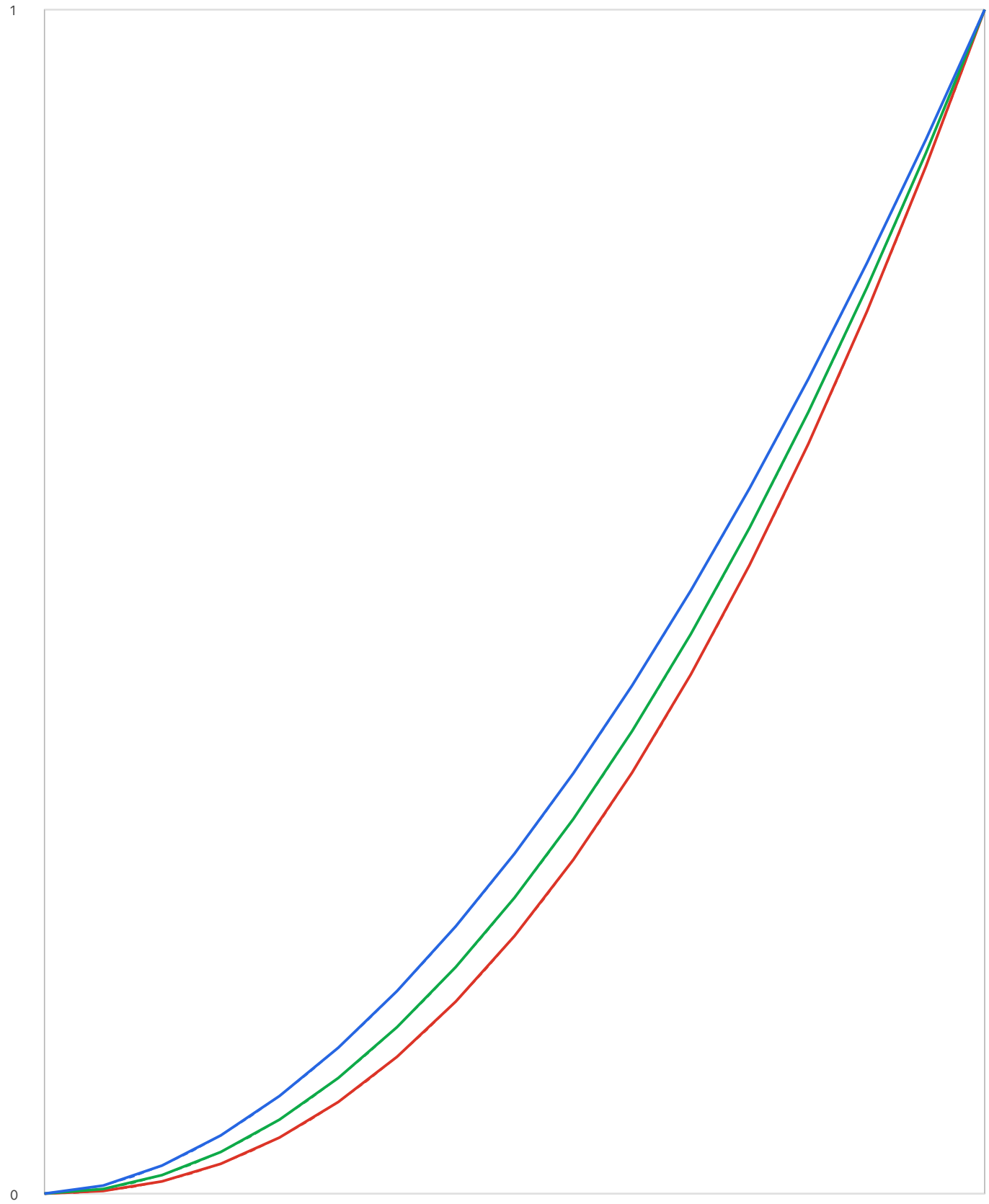
Dashed: before · Solid: after · Red, green and blue channels over the grey input



Sampled LUT differences in normalized RGB. This report describes file transforms, not display measurements.

Cube 17³: conversion loss (chain → export)

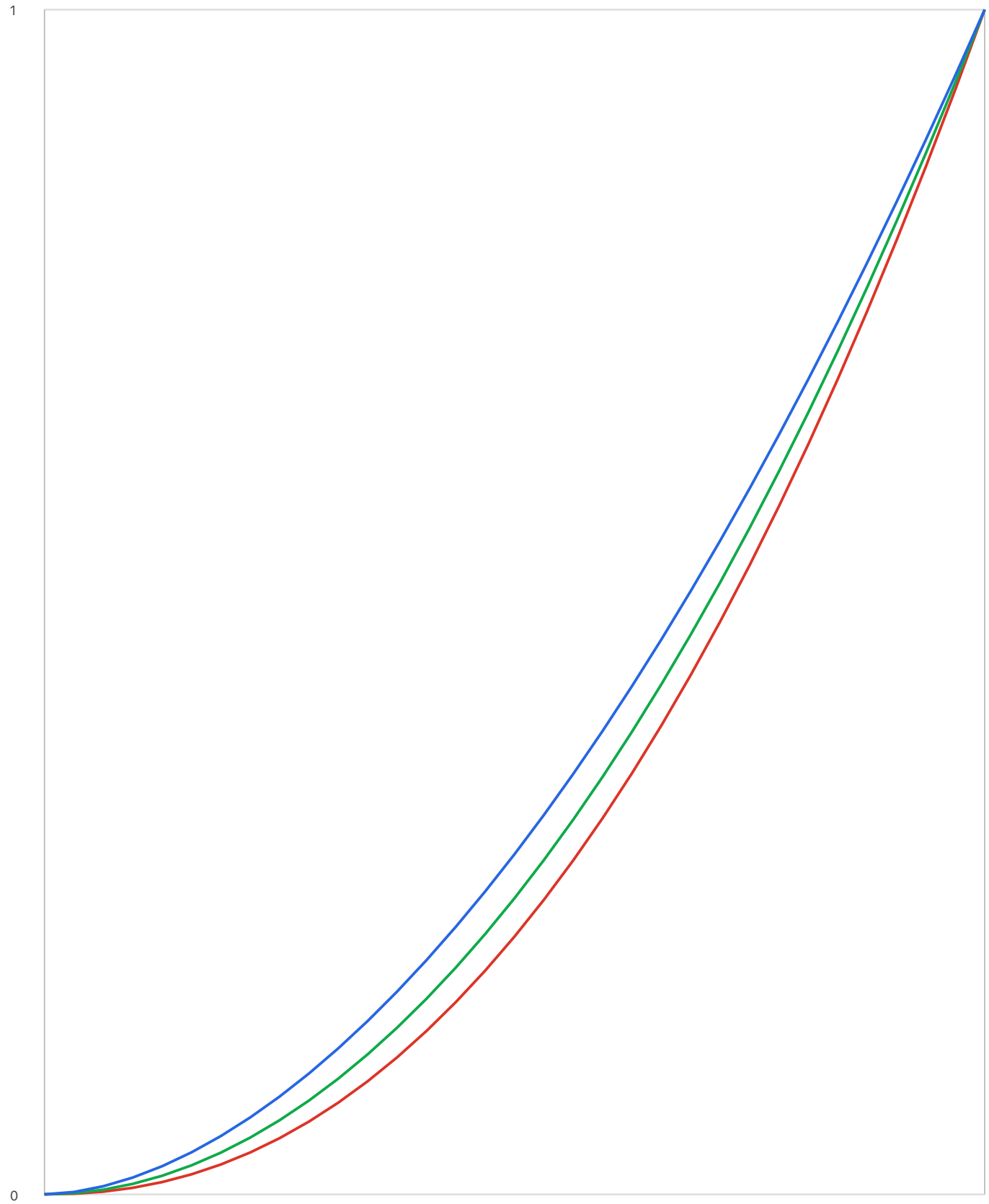
Dashed: before · Solid: after · Red, green and blue channels over the grey input



Sampled LUT differences in normalized RGB. This report describes file transforms, not display measurements.

Cube 33³: conversion loss (chain → export)

Dashed: before · Solid: after · Red, green and blue channels over the grey input



Sampled LUT differences in normalized RGB. This report describes file transforms, not display measurements.