https://3blue1brown.netlify.app/lessons/essence-of-calculus

91	**74**	**87**	**90**
Performance	Accessibility	Best Practices	SEO

▲ 0—49　　　50—89　　　90—100

91
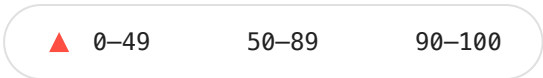
Performance

Metrics ☰

First Contentful Paint	1.1 s	Time to Interactive	1.8 s
Speed Index	1.5 s	Total Blocking Time	130 ms
Largest Contentful Paint	1.1 s	Cumulative Layout Shift	0.02

Values are estimated and may vary. The performance score is calculated directly from these metrics. See calculator.

View Original Trace
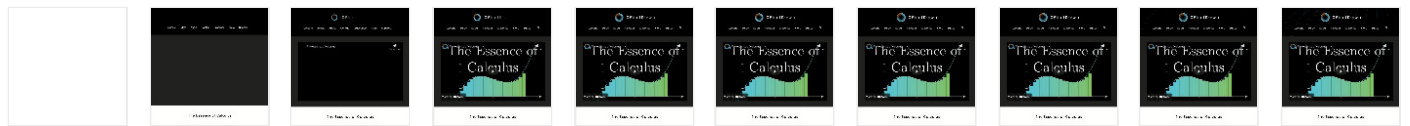
Diagnostics — More information about the performance of your application. These numbers don't directly affect the Performance score.

▲ Avoid an excessive DOM size — 4,816 elements ⌄

▲ Ensure text remains visible during webfont load ⌄

Warnings:

- Lighthouse was unable to automatically check the `font-display` value for the origin https://fonts.gstatic.com.
- Lighthouse was unable to automatically check the `font-display` value for the origin https://c.disquscdn.com.

▲ Some third-party resources can be lazy loaded with a facade — 1 facade alternative available ⌄

▲ Does not use passive listeners to improve scrolling performance ⌄

▲ Serve static assets with an efficient cache policy — 22 resources found ⌄

Minimize main-thread work — 2.7 s ⌄

Avoid chaining critical requests — 7 chains found ⌄

User Timing marks and measures — 5 user timings ⌄

Keep request counts low and transfer sizes small — 116 requests • 1,882 KiB ⌄

Largest Contentful Paint element — 1 element found ⌄

Avoid large layout shifts — 5 elements found ⌄

Avoid long main-thread tasks — 4 long tasks found ⌄

Avoid non-composited animations — 104 animated elements found ⌄

Passed audits (24) ⌄

74

Accessibility

These checks highlight opportunities to improve the accessibility of your web app. Only a subset of accessibility issues can be automatically detected so manual testing is also encouraged.

Names and labels — These are opportunities to improve the semantics of the controls in your application. This may enhance the experience for users of assistive technology, like a screen reader.

⚠ Buttons do not have an accessible name ⌄

⚠ `<frame>` or `<iframe>` elements do not have a title ⌄

⚠ Image elements do not have `[alt]` attributes ⌄

⚠ Form elements do not have associated labels ⌄

⚠ Links do not have a discernible name ⌄

Contrast — These are opportunities to improve the legibility of your content.

⚠ Background and foreground colors do not have a sufficient contrast ratio. ⌄

Internationalization and localization — These are opportunities to improve the interpretation of your content by users in different locales.

⚠ `<html>` element does not have a `[lang]` attribute ⌄

Additional items to manually check (10) — These items address areas which an automated testing tool cannot cover. ⌄
Learn more in our guide on conducting an accessibility review.

Passed audits (16) ⌄

Not applicable (21) ⌄

87

Best Practices

General

⚠ Browser errors were logged to the console ⌄

⚠ Issues were logged in the `Issues` panel in Chrome Devtools ⌄

Passed audits (15) ⌄

Not applicable (1) ⌄

90

SEO

These checks ensure that your page is optimized for search engine results ranking. There are additional factors Lighthouse does not check that may affect your search ranking. [Learn more](#).

Content Best Practices — Format your HTML in a way that enables crawlers to better understand your app's content.

⚠ Image elements do not have `[alt]` attributes ⌄

Additional items to manually check (1) — Run these additional validators on your site to check additional SEO best practices. ⌄

Passed audits (9) ⌄

Not applicable (4) ⌄

Runtime Settings

URL	https://3blue1brown.netlify.app/lessons/essence-of-calculus
Fetch Time	Jun 22, 2021, 9:37 PM MDT
Device	Emulated Desktop
Network throttling	40 ms TCP RTT, 10,240 Kbps throughput (Simulated)
CPU throttling	1x slowdown (Simulated)
Channel	devtools
User agent (host)	Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/91.0.4472.114 Safari/537.36
User agent (network)	Mozilla/5.0 (Macintosh; Intel Mac OS X 10_14_6) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/90.0.4420.0 Safari/537.36 Chrome-Lighthouse
CPU/Memory Power	1776
Axe version	4.1.2

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