Proof: performance-testing "product addons" plugins

We're testing the performance of 6 WooCommerce plugins that allow you to add "product options" (form fields) to product pages:

- [Advanced Product Fields for WooCommerce](#) created by Studio Wombat
- [Extra Product Options (Product Addons)](#) for WooCommerce by ThemeHigh
- [WooCommerce Custom Product Addons](#) by Acowebs
- [Flexible Product Fields](#) by WPDesk
- [PPOM:](#) Personalized Product Option Manager by ThemeIsle
- [WooCommerce Product Add-Ons](#) by Yith

For performance, we measure 3 things:

- **Execution time:** how long the plugin takes to perform its tasks.
- Number of **database querie**s (higher often means slower plugins)
- How many **extra scripts** (JavaScript and CSS) loaded on the frontend (in terms of kilobytes).

What are we testing?

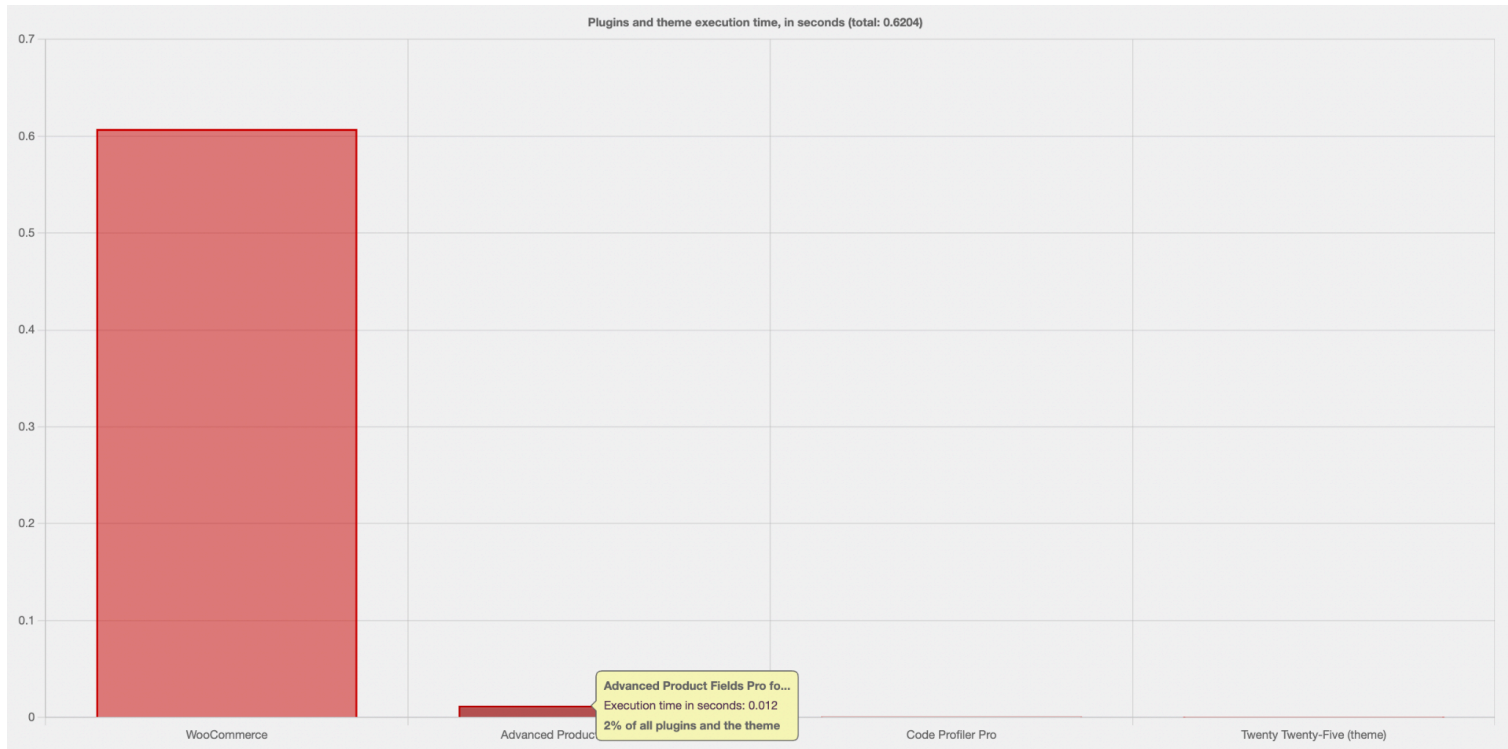A product page with only 2 active plugins (WooCommerce + the plugin). Tested on instaWP on PHP 8.

Let's dine in on the next page!

1. Advanced Product Fields for WooCommerce (Studio Wombat)

Performance

It took only 0.012 seconds to execute its code, which is only 2% of the total page load.
[Click here for the full image (zoomed)](#)

Plugins and theme execution time, in seconds (total: 0.6204)

Advanced Product Fields Pro fo...
Execution time in seconds: 0.012
2% of all plugins and the theme

WooCommerce   Advanced Produc   Code Profiler Pro   Twenty Twenty-Five (theme)

Database queries

3 queries were executed on the product page.
[Click here for the full image (zoomed)](#)

Page 4: Database Queries Performance   Filter: advanced-product-fields

advanced-product-fie   Filter   ☐ Case sensitive

Viewing: 2025-05-09_773494

3 items

Query	Time (sec)	Order	Component
SELECT iwpc671_posts.* FROM iwpc671_posts WHERE 1=1 AND iwpc671_posts.post_type = 'wapf_product' AND ((iwpc671_posts.post_status = 'publish')) ORDER BY iwpc671_posts.post_date DESC	0.000246	2	WooCommerce
SELECT meta_id as meta_id, meta_key, meta_value FROM iwpc671_postmeta WHERE post_id = 31 ORDER BY meta_id	0.000204	1	WooCommerce
SELECT meta_id as meta_id, meta_key, meta_value FROM iwpc671_postmeta WHERE post_id = 23 ORDER BY meta_id	0.000140	3	WooCommerce
Query	Time (sec)	Order	Component

Loaded scripts (JS and CSS):

Less than 20kb is loaded on the frontend, making it one of the most lightweight plugins out there, while still offering all th
important features!

Full images for zooming: Image 1 and image 2.

2. Extra Product Options (Product Addons) by ThemeHigh

Performance

It took 0.023 seconds for the plugin to execute all its code. That's 3% of the total page load.
[Click here for the full image (zoomed)](#)

Plugins and theme execution time, in seconds (total: 0.6565)

WooCommerce Extra Product Opti...
Execution time in seconds: 0.023
3% of all plugins and the theme
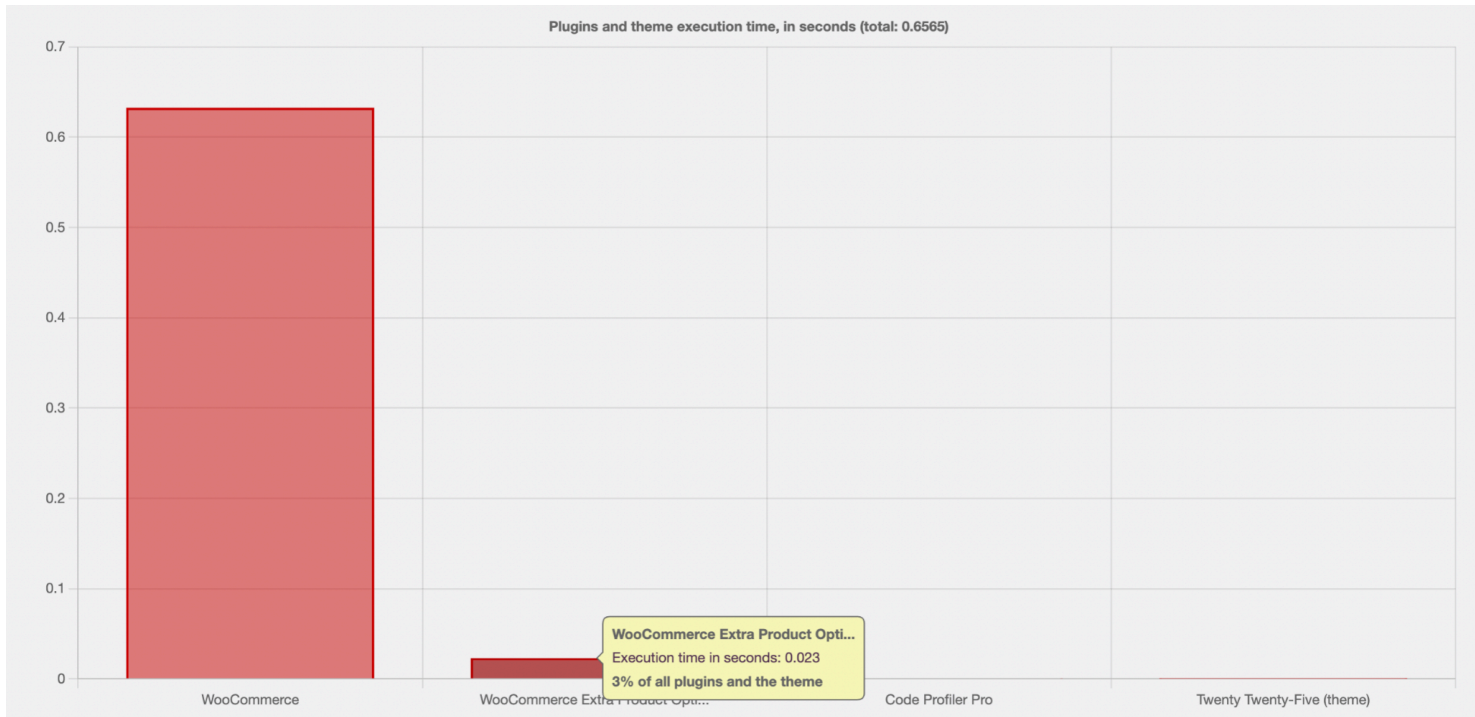
Database queries

Only 1 query was executed on the product page.
[Click here for the full image (zoomed)](#)

Query ⇕	Time (sec) ⇕	Order ⇕	Component ⇕
			1 item
SELECT option_value FROM iwpc671_options WHERE option_name = 'thwepo_advanced_settings' LIMIT 1	0.000320	1	WooCommerce Extra Product Opti...
Query ⇕	Time (sec) ⇕	Order ⇕	Component ⇕
			1 item

Loaded scripts (JS and CSS)

This plugin loads the largest files on the product page, totalling 80kb.
Full images for zooming: Image 1 and image 2.

3. WooCommerce Custom Product Addons by Acowebs

Performance

The plugin took 0.016 seconds to execute its code. That's 3% of the total page load.
[Click here for the full image (zoomed)](#)
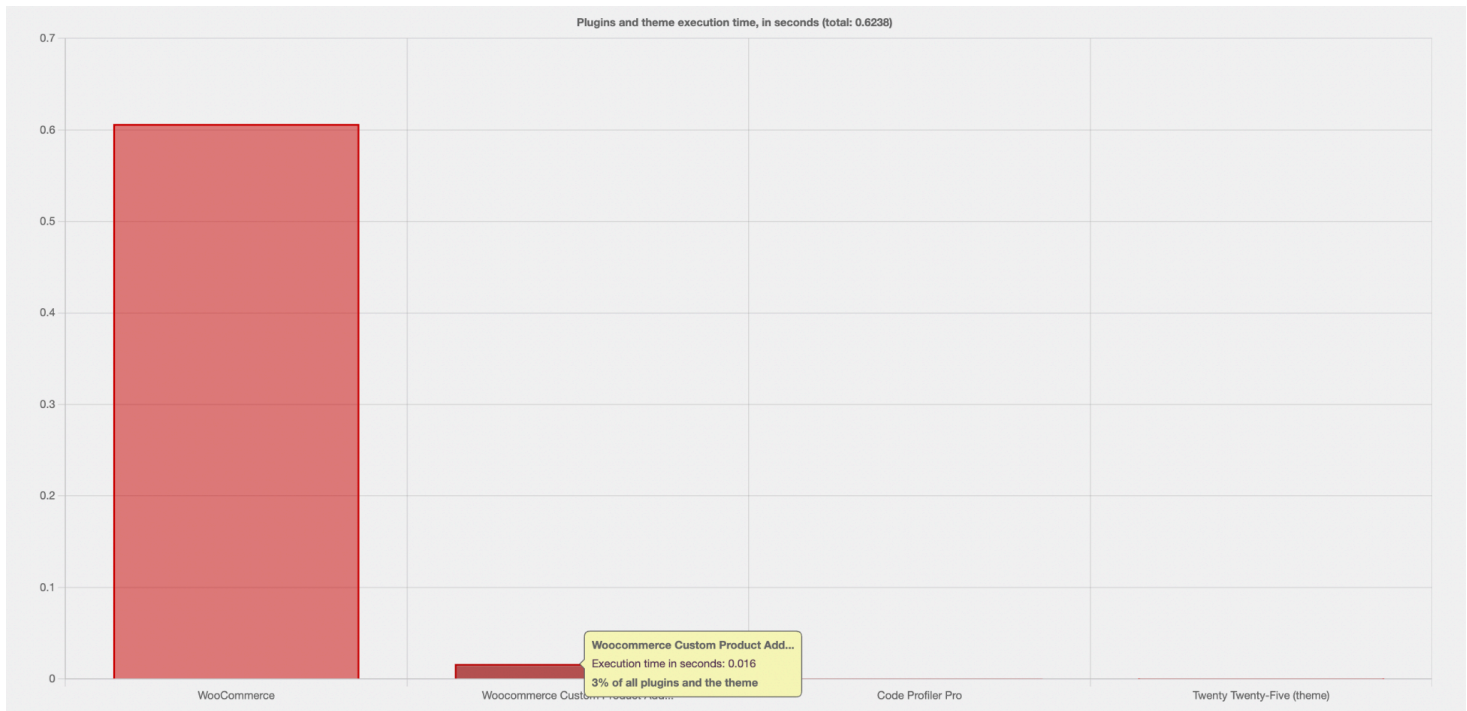
Database queries

Only 1 query was performed on the product page. [Full image for zooming is here.](#)

Loaded scripts (JS and CSS)

The plugin loads about 60kb worth of scripts on your product pages.
Full images for zooming: Image 1 and image 2.

4. Flexible Product Fields by WPDesk

Performance

WPDesk requires 2 plugins to run on the page (the free and paid version need to be both installed) so that increases the total execution time significantly making it 8 times slower than APF!

[Click here for the full image (zoomed)](#)
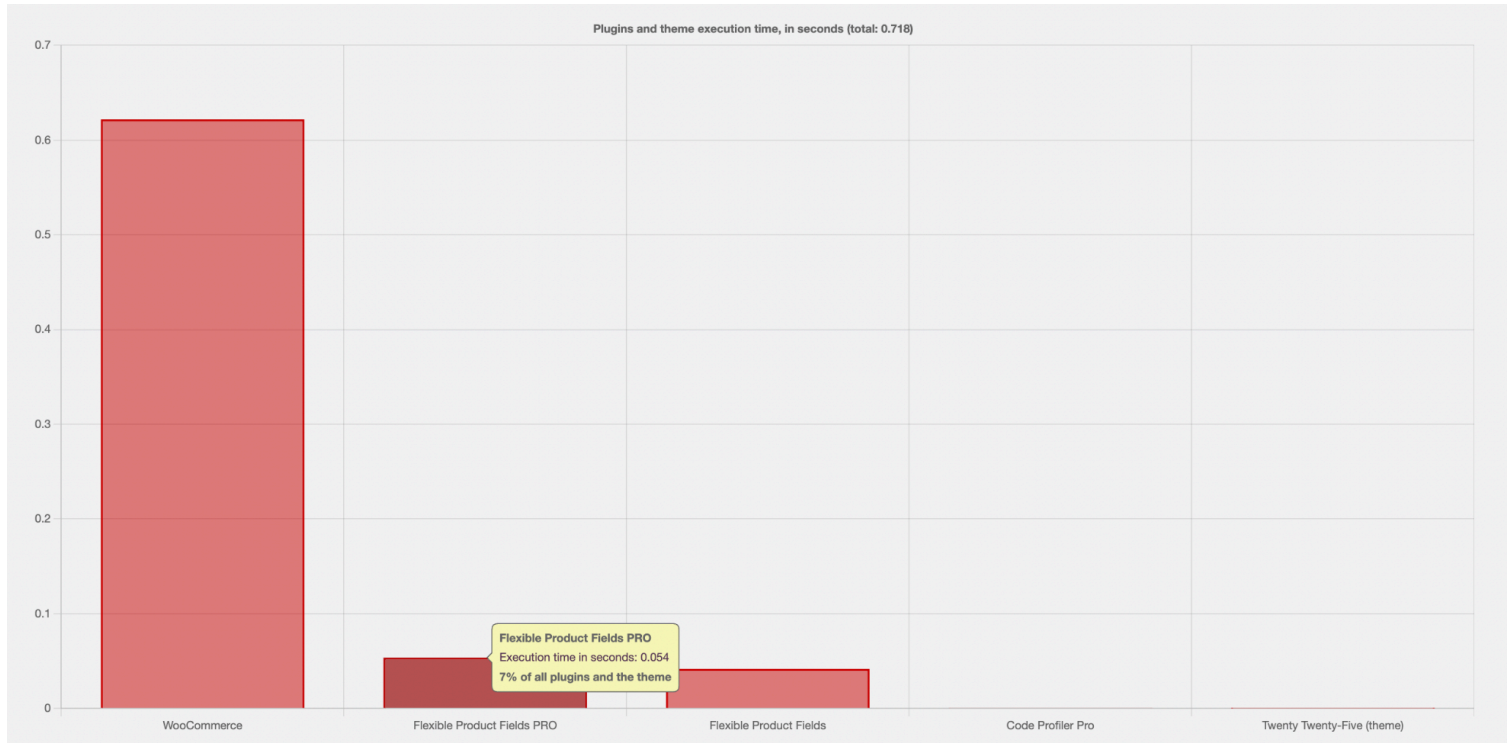
Database queries

22 queries are run on your product pages. [Click for the full image here.](#)

Loaded scripts (JS and CSS)

Around 40kb of data is loaded.
Full images for zooming: Image 1 and image 2.

5. PPOM: Personalized Product Option Manager by ThemeIsle

Performance

PPOM is 7x slower than APF and also requires 2 plugins to run (free and pro need to be installed at the same time)
[Click here for the full image (zoomed)](#)
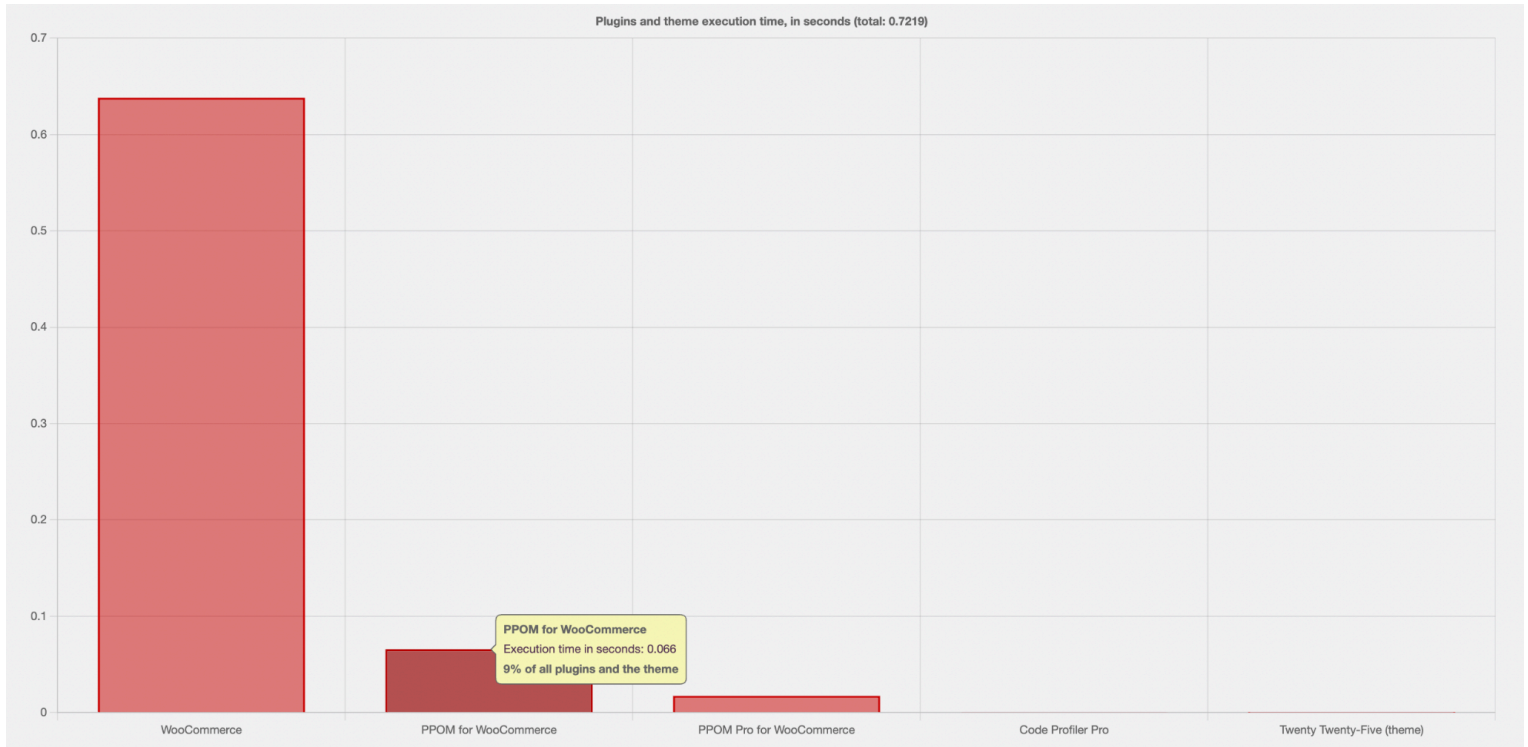
Database queries

PPOM performs more than 60 queries on one page!
[Click here for the full image (zoomed)](#)

Loaded scripts (JS and CSS)

PPOM loads about 60kb worth of extra scripts on your pages.
What's really strange is they load a complete external styling library (bootstrap) which your theme doesn't need.

Full images for zooming: Image 1 and image 2.

6. WooCommerce Product Add-Ons by Yith

Performance

Yith takes about 0.05 seconds to load on yur product pages. [Click here for the full image (zoomed)](#)
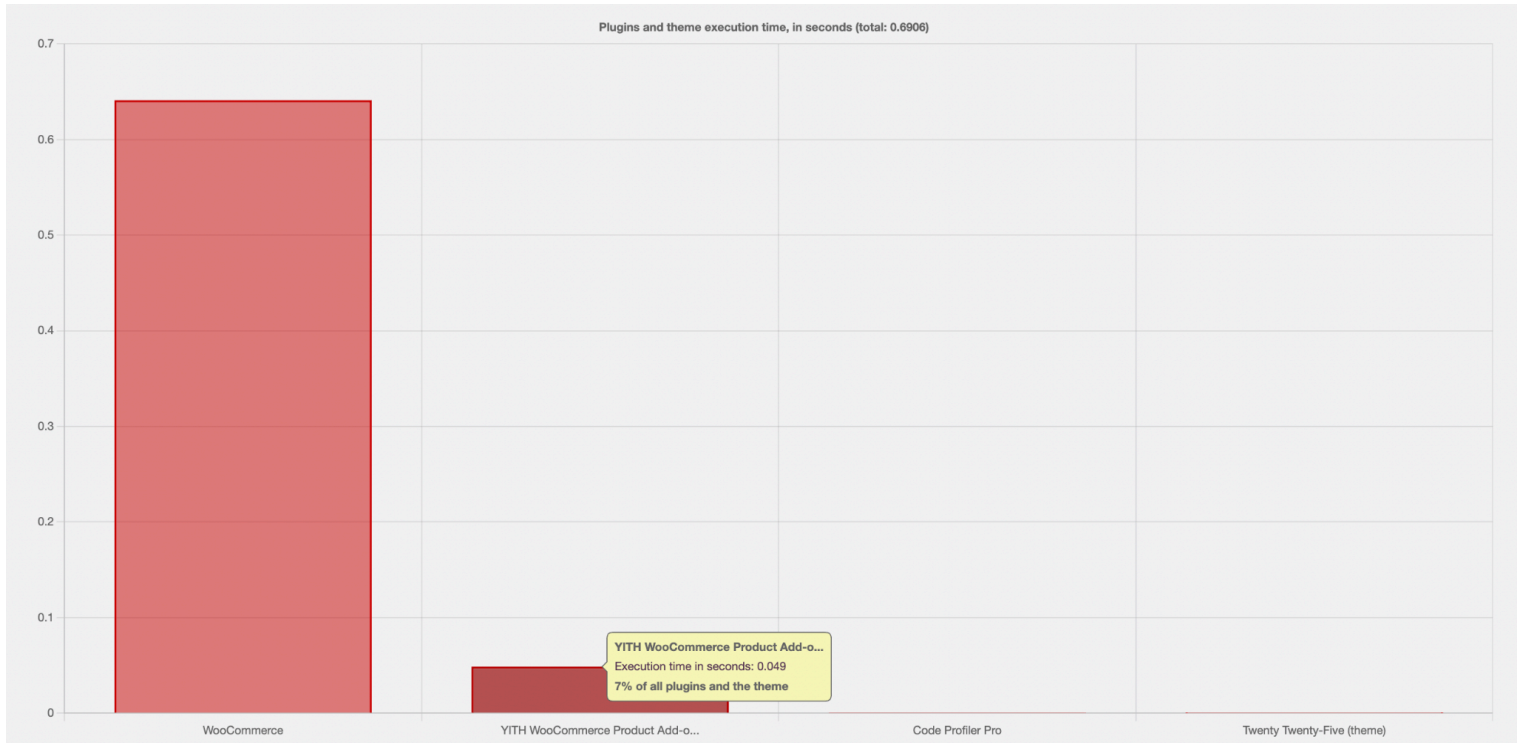
Database queries

Yith loads 27 queries per product page. [Click here for the full image (zoomed)](#)

Loaded scripts (JS and CSS)

Yith loads a moderate amount of scripts on your product pages.
Full images for zooming: Image 1 and image 2.