

# Style Computation

## 1. Some Difficulties of Style computation

- Style data is a very **large construct**, holding the numerous style properties, this can cause memory problems.
- **Finding the matching rules** for each element can cause performance issues if it's not optimized.
- Applying the rules involves quite **complex cascade rules** that define the hierarchy of the rules.

## 2. how the browsers face these issues

- **Sharing style data**: WebKit style objects(style objects) can be shared by nodes in some conditions.
- Firefox has two extra trees for easier style computation: **the rule tree and style context tree**.

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The background features a repeating pattern of overlapping triangles in two shades of light gray. Scattered throughout the triangles are small, dark gray icons of stars and crescent moons.

## **5.Layout**