

# 论文领域地图板块的逐层 加载与前端展示

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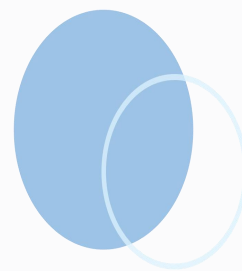
王志邦

517030910298

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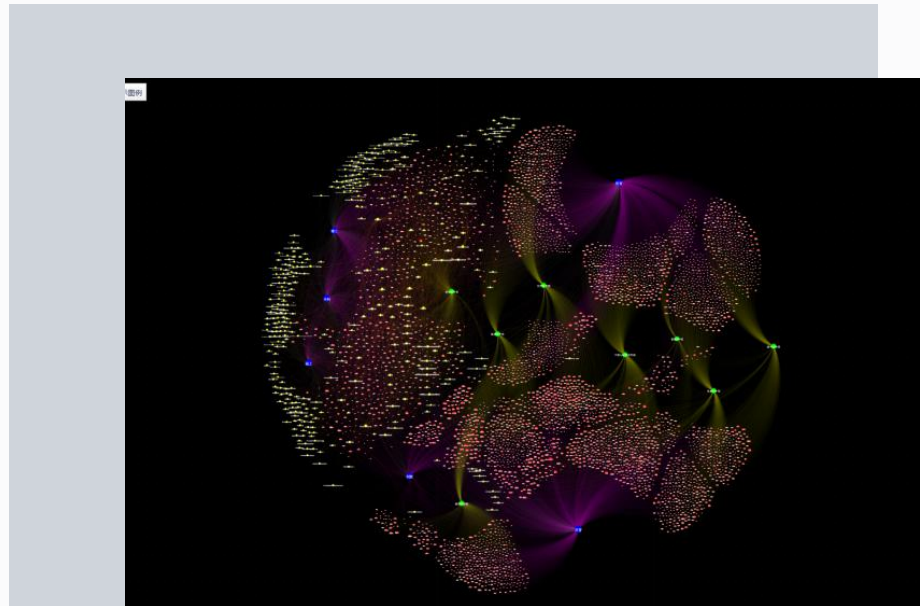
# 01 | Introduction

```
> document.getElementsByTagName('path')
< HTMLCollection(15744) [path, path, path
path, path, path, path, path, path, pat
▶ path, path, path, path, path, path, pat
path, path, path, path, path, path, pat
path, path, path, path, path, path, pat

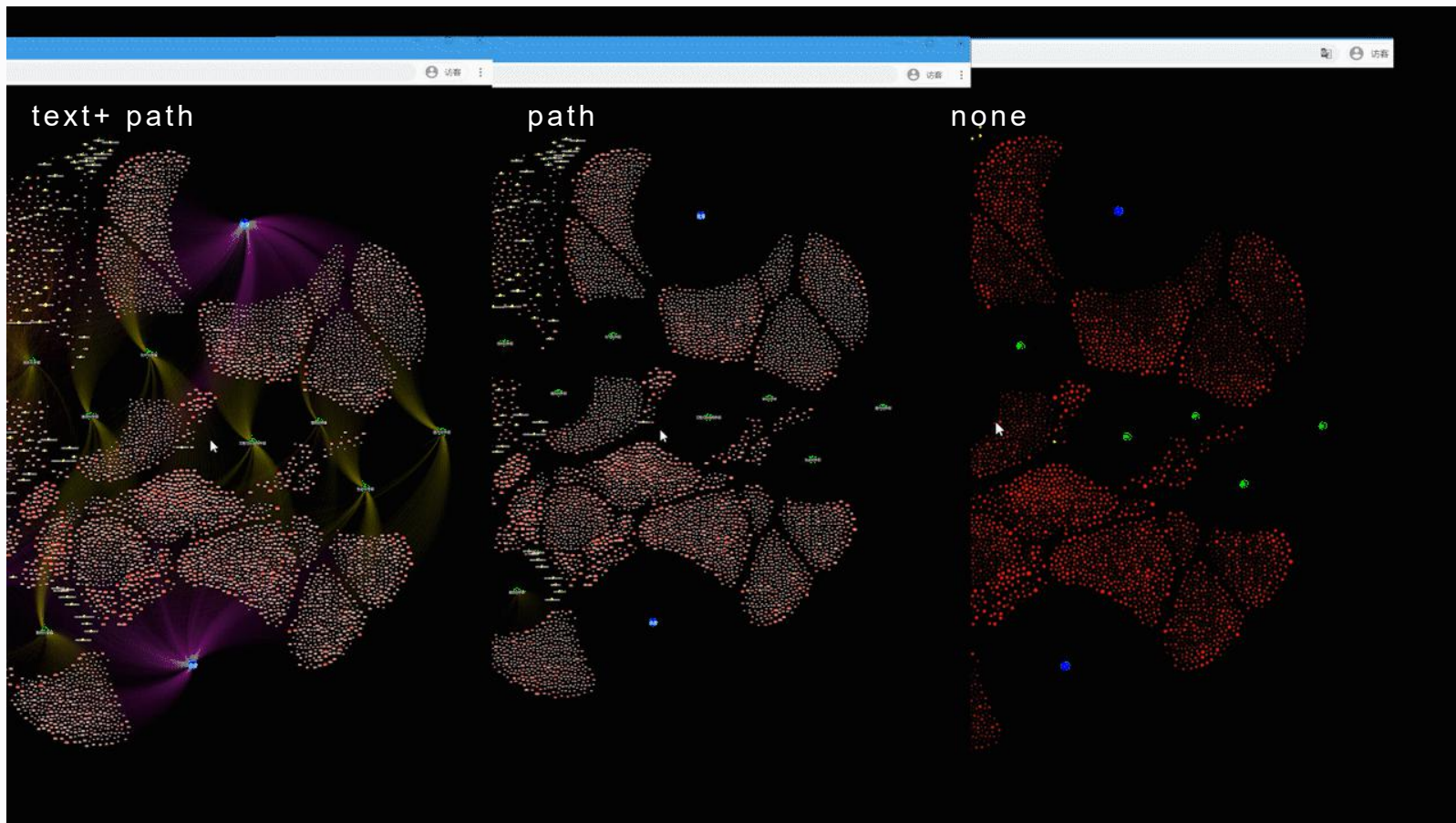
> document.getElementsByTagName('text')
< HTMLCollection(5983) [text, text, text,
text, text, text, text, text, text, te
▶ text, text, text, text, text, text, te
text, text, text, text, text, text, te
text, text, text, text, text, text, te

> document.getElementsByTagName('circle')
< HTMLCollection(5983) [circle, circle, c
circle, circle, circle, circle, circle,
circle, circle, circle, circle, circle,
▶ circle, circle, circle, circle, circle,
circle, circle, circle, circle, circle,
circle, circle, circle, circle, circle,
circle, circle, circle, circle, circle,
```

## institutional-migration



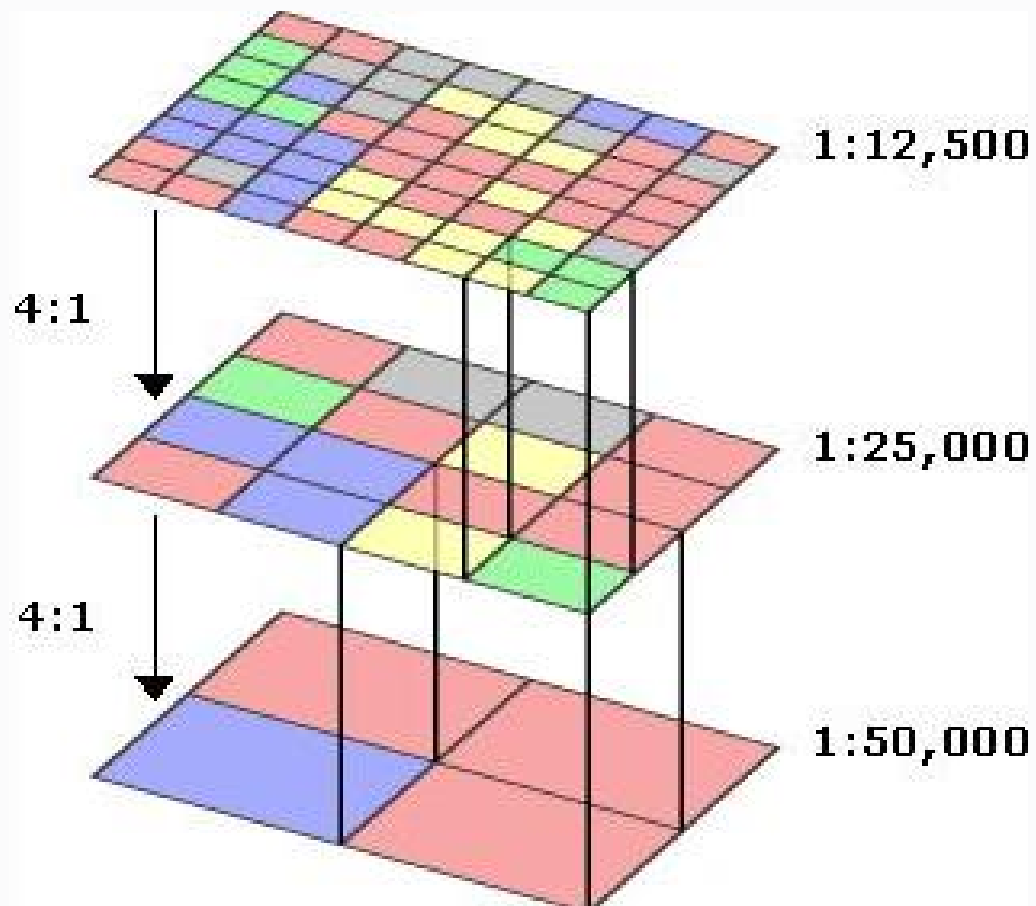
too many element..





## 分层加载

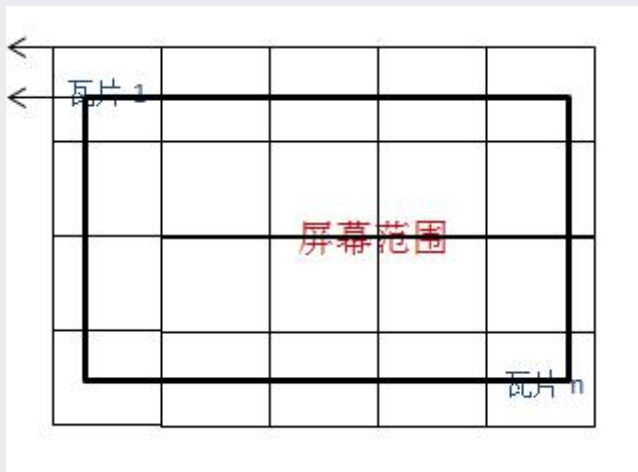
- 减少无用信息的展示
- 放大哪个区域后才详细显示该区域下的细节
- leaflet
  - high encapsulation & animation
  - hard to DIY
- simple & DIY library



**02**

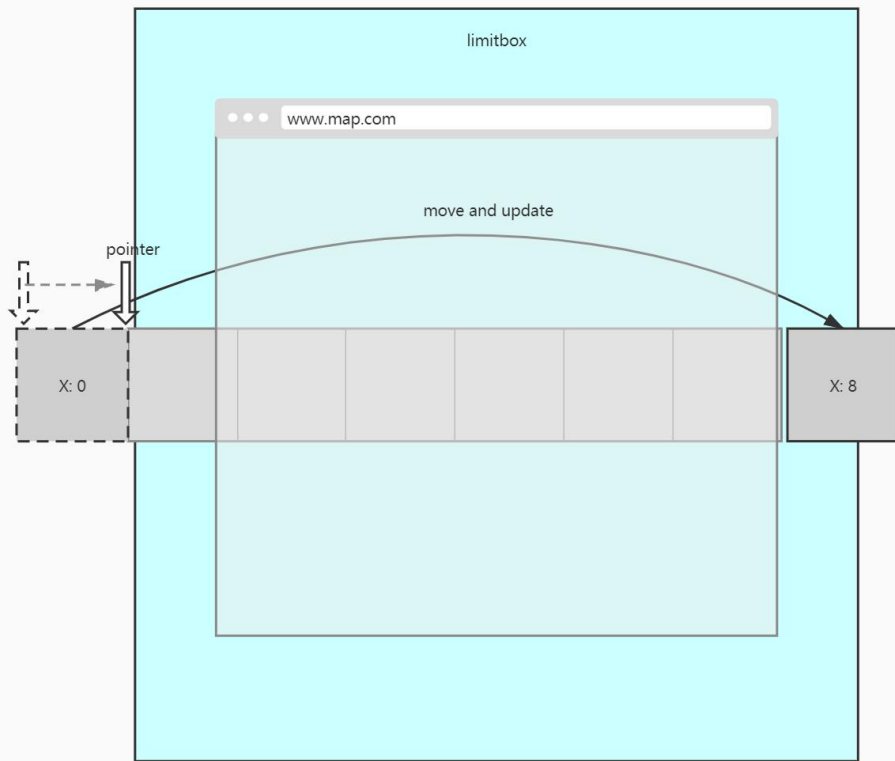
**Principle & Design**

# 数据结构



```

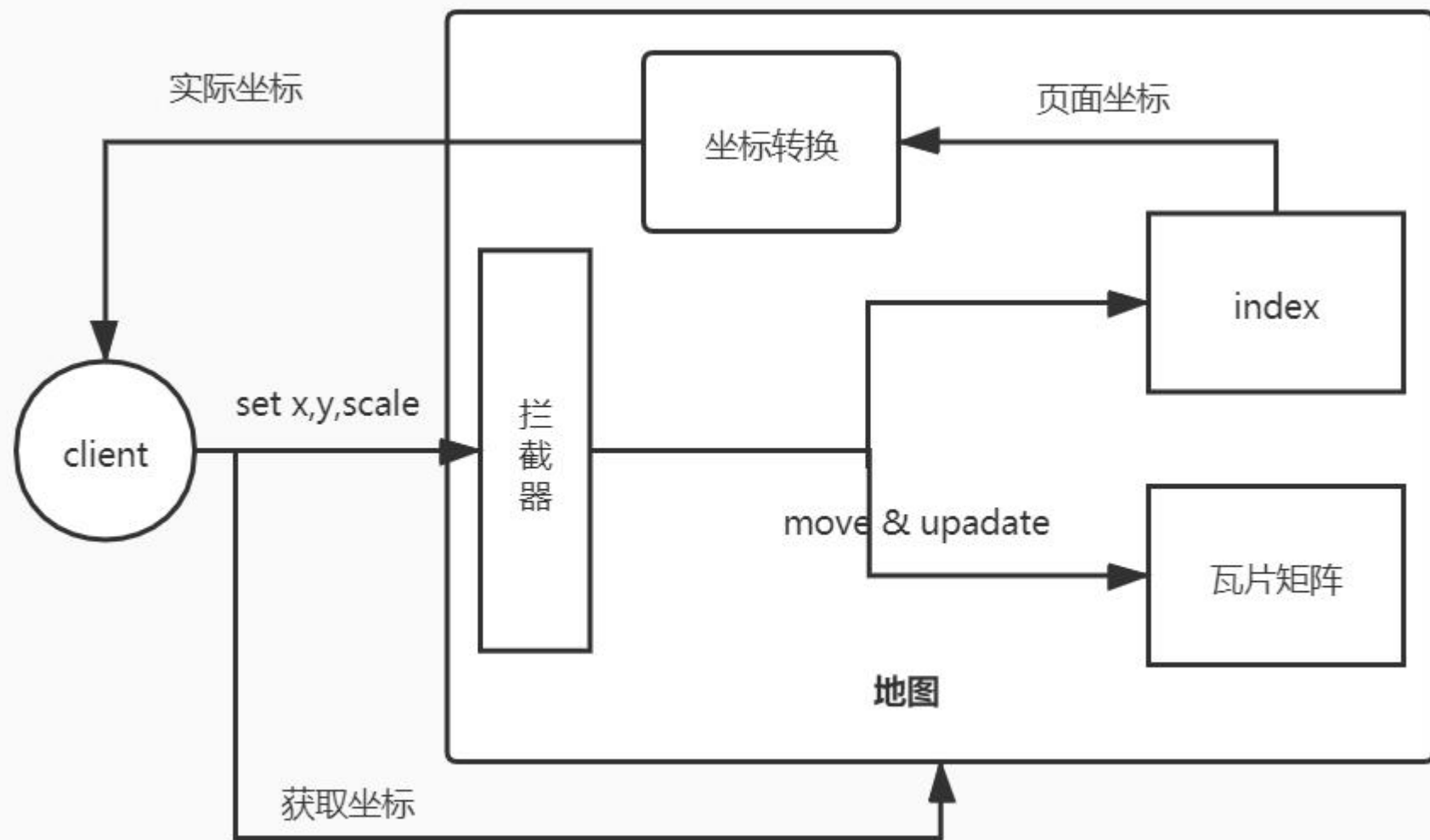

 == $0
```





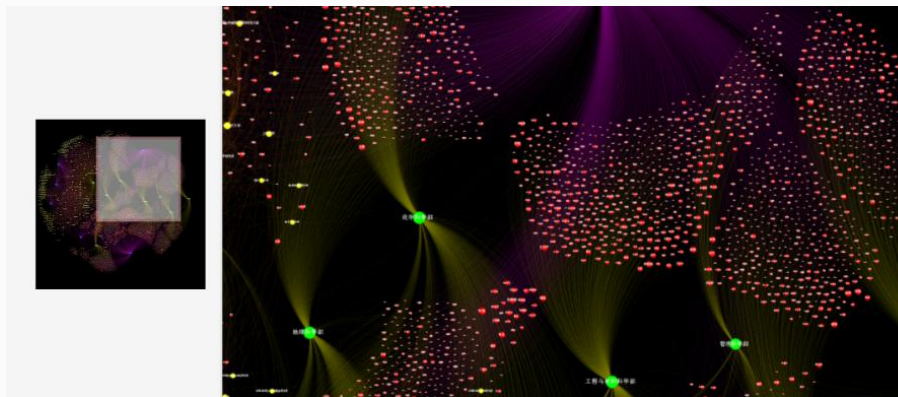


# 程序设计

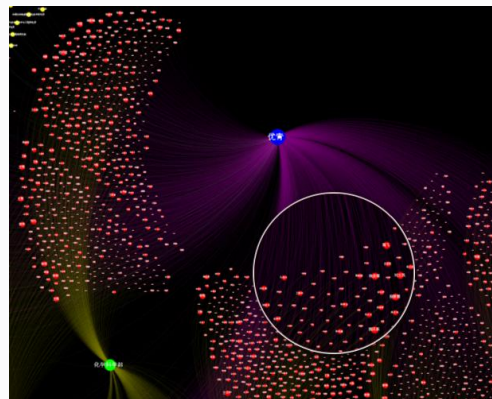


“

# Other Feather

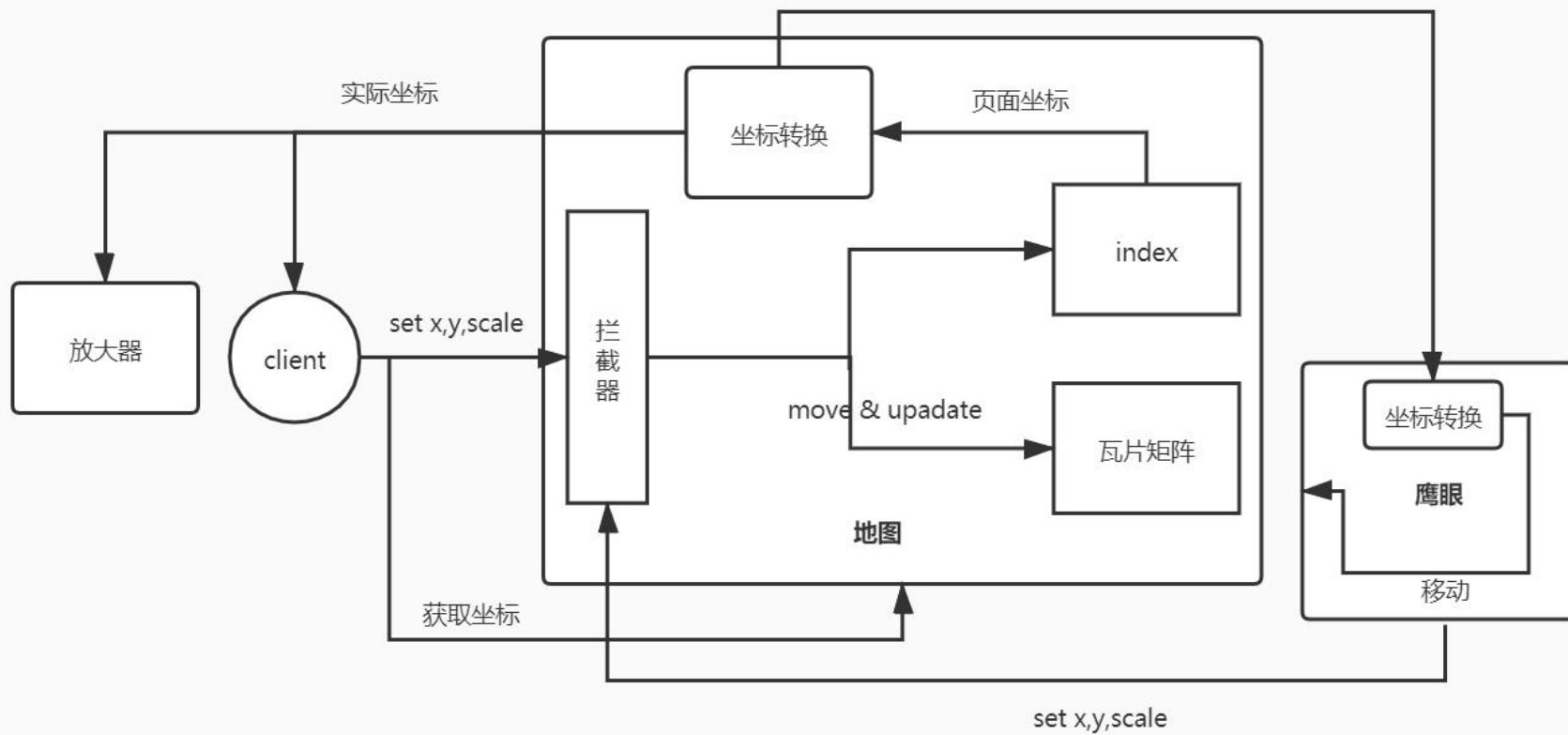


鹰眼

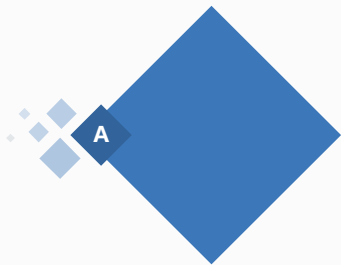


放大镜

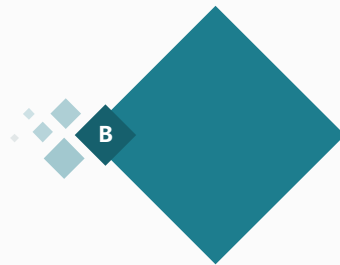
# Other Feather



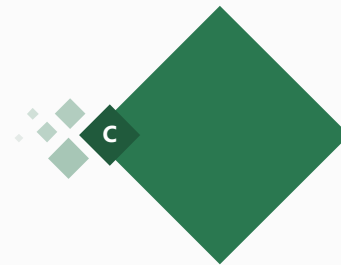
# Backend



更改svg的尺寸作为  
多个层级的瓦片



根据层级去掉一些长  
度过长的path



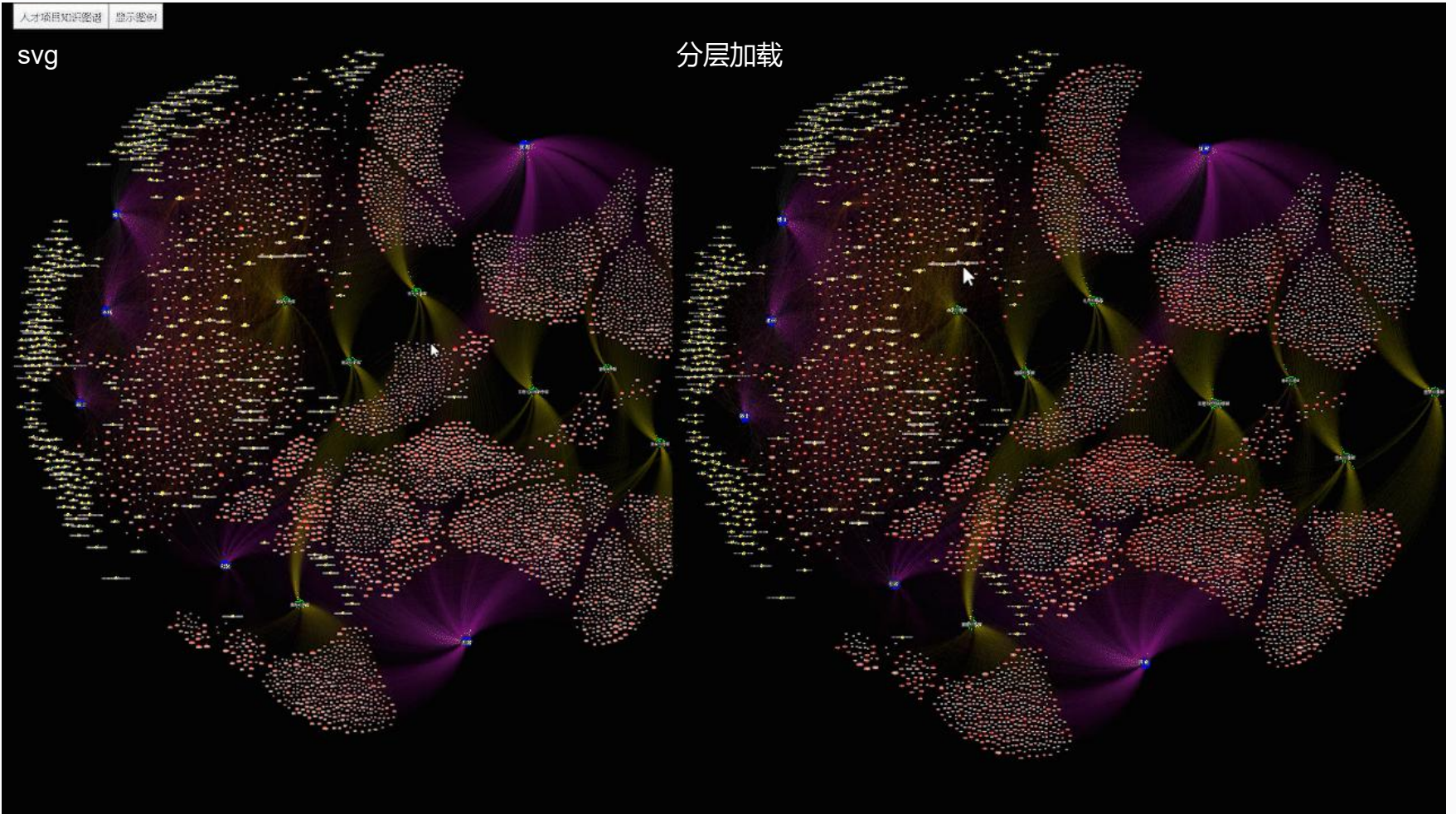
将svg转化为png并  
按一定大小分割

# 03 | Display



svg

分层加载



# 04 | Future work





## Future Work

- 提供类dom的事件处理机制  
(类似于zRender)
- 移动端交互支持
- 后端切片算法

The background features several overlapping circles and rings in various shades of blue, ranging from light to dark. The circles are of different sizes and are scattered across the slide, creating a modern, abstract design.

# Thanks

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