

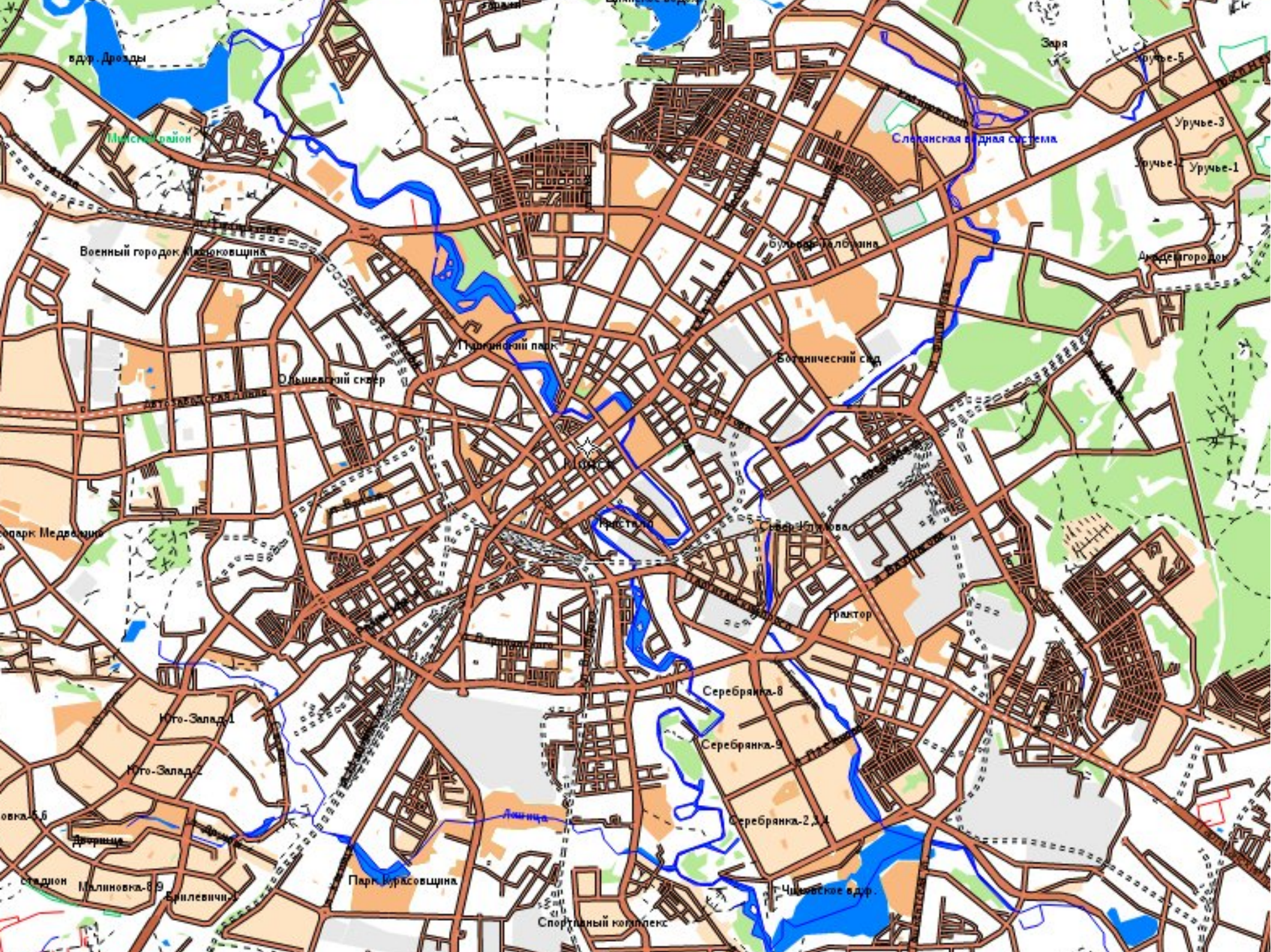
Kothic JS:
rendering OpenStreetMap in browser

- First release: june, 10th
 - 56 watchers on GitHub, some even contribute
 - 3 core developers
-
- Cats;
-
- It works!



MapCSS:

- Easy syntax;
- Reusable style (Potlatch, JOSM, Mapnik....)
- Change style after generating tiles



Browser support

Looks good in:

- Chrome/Windows
- Safari/Windows
- IE9+/Windows
- Opera Linux/Windows

Others: works

Bugs:

- ~20 reported;
- ~3 fixed

Kothic JS is Web-Browser Crash Test.

Browser bugs

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Chrome

- Overlapping letters disappear on GPU-canvas <http://code.google.com/p/chromium/issues/detail?id=86621>
- slow rendering time on GPU-canvas <http://code.google.com/p/chromium/issues/detail?id=86287>
- rotated text non-uniform font-weight <http://code.google.com/p/chromium/issues/detail?id=85984>
- rewrite Font::drawGlyphs for Skia on Chrome ports https://bugs.webkit.org/show_bug.cgi?id=62989
- Skia vertex buffer cache is missing frequently <http://code.google.com/p/chromium/issues/detail?id=86490>
- WON'T FIX antialiased paths are overestimated in Skia <http://code.google.com/p/chromium/issues/detail?id=86488>
- FIXED broken antialiasing <http://code.google.com/p/chromium/issues/detail?id=85762>
- FIXED webkit - text opacity https://bugs.webkit.org/show_bug.cgi?id=62988
- FIXED text opacity <http://code.google.com/p/chromium/issues/detail?id=85725>

Safari / Windows

Looks like Safari doesn't have public bug tracker. To send another, select "Report to Apple" in browser menu. If you have an apple dev account (even free), bugs can be reported to bugreport.apple.com

- rotated text non-uniform font-weight (test case) <http://osmosn.lmkl.ru/kothic/text-rotate>

Safari / Mac

- Purple area labels are not rendered semi-transparent.

Opera / Windows

Opera doesn't seem to have public bug tracker. To report a problem with a web site, go to Menu - Help - Report a Site Problem.

- Opera 11.5 labs with OpenGL acceleration (build 24661) - broken canvas antialiasing;
- Opera 11.5 beta build 1040 - text for some labels is blurry.

Firefox

- Slow text rendering https://bugzilla.mozilla.org/show_bug.cgi?id=527386

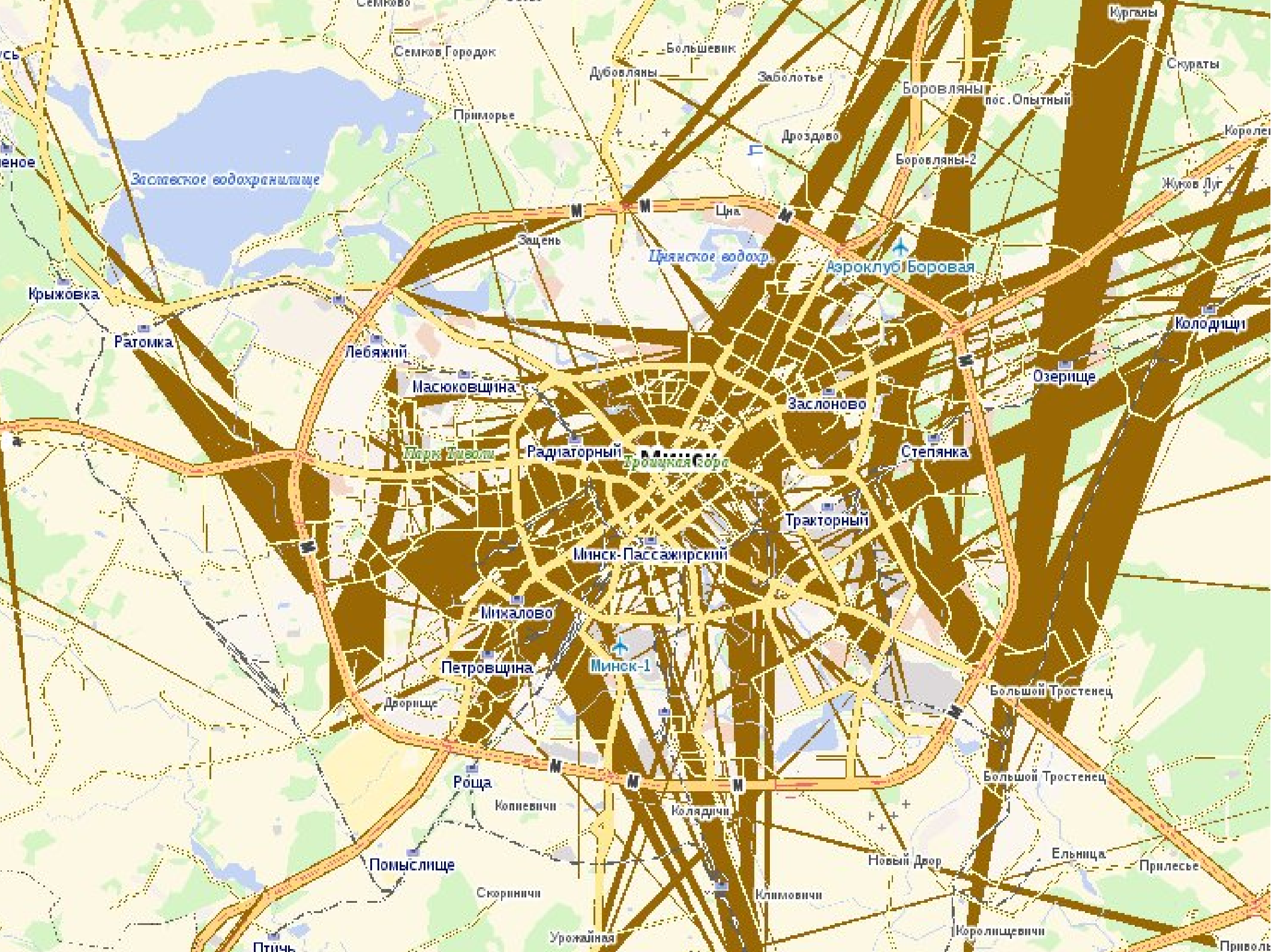
Internet Explorer 10

- bad charset (cp1251 instead of utf8) <https://connect.microsoft.com/IE/feedback/details/676961/kothic-org-js-wrong-map-character-set-if-reserved-from-cache>

Test cases

Want to check whether your browser has one of those issues?

- canvas rotated text non-uniform font-weight test case <http://osmosn.lmkl.ru/kothic/text-rotate>
- non-canvas webkit-only rotated text non-uniform font-weight test case <http://osmosn.lmkl.ru/kothic/text-rotate-no-canvas>
- globalAlpha based text opacity <http://osmosn.lmkl.ru/kothic/text-opacity>



MapCSS editor with preview



Update map

```
1  
2 canvas{}  
3 way[highway]{color:red; width:3}  
4
```

<http://kothic.org/js/>

<https://github.com/kothic/kothic-js>

Pull requests welcome!