

Neil Fraser: JS Oscilloscope

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<p>25 January 2018</p> <p>Plug your computer's audio output into an oscilloscope
(right = X, left = Y), then use your mouse to draw in the square below:</p> <p>No oscilloscope?
Here's a video.</p> <iframe width=„560“ height=„315“
src=„<https://www.youtube.com/embed/JGEsZBPkJNY>“ frameborder=„0“ allow=„autoplay; encrypted-
media“ allowfullscreen=„“>[embedded content]</iframe> <p>This is all done with about a hundred
lines of JavaScript (view source to see it). The mouse's X-Y movements are recorded, then encoded as
the right-left channels of a dynamically generated WAV file. This file is URI-encoded and played. Pretty
straight-forward.</p> <p>Also fun is this <a
href=„<https://neil.fraser.name/news/2018/clock.html>“>analog clock that displays the current
time on your oscilloscope.</p> <p>If you liked these, do checkout <a
href=„<https://www.youtube.com/watch?v=s1eNjUgaB-g>“>Youscope, and try playing its <a
href=„<https://neil.fraser.name/news/2018/youscope.wav>“>source audio file on your
oscilloscope.</p> <p>< <a href=„<https://neil.fraser.name/news/2018/01/16/>“ title=„16 January
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src=„<https://neil.fraser.name/lineblue.jpg>“ width=„540“ height=„4“ alt=„—————“
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goldfish.</p> <p><a href=„<https://neil.fraser.name/>“>Neil Fraser: <a
href=„<https://neil.fraser.name/news/>“>News: JS Oscilloscope</p> </body> </html>

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