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`apng-js/`

<https://github.com/davidmz/apng-js>

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`focus-trap/`

<https://github.com/focus-trap/focus-trap>

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gifuct-js/

<https://github.com/matt-way/gifuct-js>

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luxon/

<https://github.com/moment/luxon>

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maquette/  
maquette-advanced-projector/  
maquette-css-transitions/  
maquette-jsx/

maquette - Pure and simple virtual DOM library  
<https://github.com/AFASSoftware/maquette/>

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marked/

<https://github.com/markedjs/marked>

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tslib/

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video.js/

<https://github.com/videojs/video.js>

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-----  
esri/arcade/lib/arcade-parser.js

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esri/workers/libs/rtree.js

rtree.js - General-Purpose Non-Recursive Javascript R-Tree Library  
Version 0.6.2, December 5st 2009

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Jon-Carlos Rivera - imbcmth@hotmail.com

-----  
esri/workers/libs/kdtree.js

k-d Tree JavaScript - V 1.0

<https://github.com/ubilabs/kd-tree-javascript>

author: Mircea Pricop <[pricop@ubilabs.net](mailto:pricop@ubilabs.net)>, 2012

author: Martin Kleppe <[kleppe@ubilabs.net](mailto:kleppe@ubilabs.net)>, 2012

author: Ubilabs <http://ubilabs.net>, 2012

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big.js v3.0.0

<https://github.com/MikeMcI/big.js>

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[esri/views/3d/webgl-engine/lib/base64Binary.js](https://github.com/esri/views/3d/webgl-engine/lib/base64Binary.js)

Base64 decoder

<https://github.com/danguer/blog-examples/blob/master/js/base64-binary.js>

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esri/views/3d/lib/SunCalc.js

SunCalc - Library to calculate sun position given location and time  
<https://github.com/mourner/suncalc>

(c) 2011-2013, Vladimir Agafonkin  
SunCalc is a JavaScript library for calculating sun/moon position and light phases.  
<https://github.com/mourner/suncalc>

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esri/core/libs/gl-matrix-2

gl-matrix - High performance matrix and vector operations for WebGL  
<https://github.com/toji/gl-matrix>  
author: Brandon Jones  
author: Colin MacKenzie IV

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esri/core/libs/earcut/earcut.js

esri/views/2d/engine/webgl/mesh/bufcut.ts

Earcut - polygon triangulation library, commit 65c368cbbf8e0307e1e0a78fae1ff75da9ef994f  
<https://github.com/mapbox/earcut>

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esri/core/libs/libtess/libtess.js

Polygon tessellation library, ported from the tessellator in Silicon Graphics's reference implementation of the OpenGL Utility Library (GLU), written primarily by Eric Veach while at SGI.

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esri/views/2d/unitBezier.js

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esri/views/3d/webgl-engine/lib/webglConstants.js

Contains constants from <https://github.com/mattdesl/gl-constants>

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esri/layers/rasterFormats/Jpg.js

Extracted from pdf.js project.  
pdf.js: A general-purpose, web standards-based platform for parsing and rendering PDFs.  
<https://github.com/mozilla/pdf.js>  
Version 0.8.0, April 10, 2015

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This code was forked from <https://github.com/notmasteryet/jpgjs>. The original  
version was created by github user notmasteryet

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esri/layers/rasterFormats/Png.js

Extracted from png.js project  
png.js: A (animated) PNG decoder in JavaScript for the HTML5 canvas element and Node.js.  
<https://github.com/devongovett/png.js>  
Version 0.1.1, April 10, 2015

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esri/libs/sanitizer/Sanitizer.js

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esri/libs/sortablejs/Sortable.js

Sortable – is a JavaScript library for reorderable drag-and-drop lists on modern browsers and touch devices.

<https://github.com/SortableJS/Sortable>

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vaadin/

<https://github.com/vaadin/web-components/tree/main/packages/grid>

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esri/layers/rasterFormats/Zlib.js

Extracted from png.js project  
png.js: A (animated) PNG decoder in JavaScript for the HTML5 canvas element and Node.js.  
<https://github.com/devongovett/png.js>  
Version 0.1.1, April 10, 2015

Github user devongovett extracted zlib.js from pdf.js  
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Yury Delendik

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esri/views/3d/webgl-engine/lib/SmaaRenderPass.js

Excerpts from three.js (SMAA)  
<https://github.com/mrdoob/three.js>

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Originally developed by  
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esri/libs/ajv/ajv.bundle.js

ajv - version 6.12.4  
<https://github.com/ajv-validator/ajv>

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esri/core/libs/rbush  
<https://github.com/mourner/rbush>

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esri/core/libs/quickselect  
<https://www.npmjs.com/package/quickselect>  
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esri/webscene/validator.js

Excerpts from JSON Editor  
<https://github.com/josdejong/jsoneditor>

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esri/views/webgl/lib/glsl-tokenizer  
<https://github.com/glslify/glsl-tokenizer>

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esri/views/3d/support/dito  
<http://gameenginegems.com/geg2.php>

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esri/views/2d/engine/webgl/SDFConverter (TinySDF Fork)  
<https://github.com/mapbox/tiny-sdf>

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esri/core/BidiEngine.ts  
esri/core/bidiEngineTables.ts

<https://github.com/dojo/dojox/blob/master/string/BidiEngine.js>

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esri/libs/i3s

Built from <https://github.com/google/draco>

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esri/libs/i3s

<https://github.com/microsoft/DirectXMath>

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esri/libs/i3s

RapidJSON

<https://github.com/Tencent/rapidjson/>

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esri/libs/i3s

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esri/libs/basisu

Basis Universal GPU Texture Codec  
[https://github.com/BinomialLLC/basis\\_universal](https://github.com/BinomialLLC/basis_universal)

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esri/intl/duration.ts

HumanizeDuration  
<https://github.com/EvanHahn/HumanizeDuration.js>

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esri/views/3d/environment/NoiseTextureAtlas.glsl.ts

OpenGL Mathematics  
<https://github.com/g-truc/glm>

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esri/support/zipUtils.ts

zip.js  
<https://github.com/gildas-lormeau/zip.js>

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stencil/

<https://github.com/ionic-team/stencil>

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monaco-editor/

<https://github.com/microsoft/monaco-editor>

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