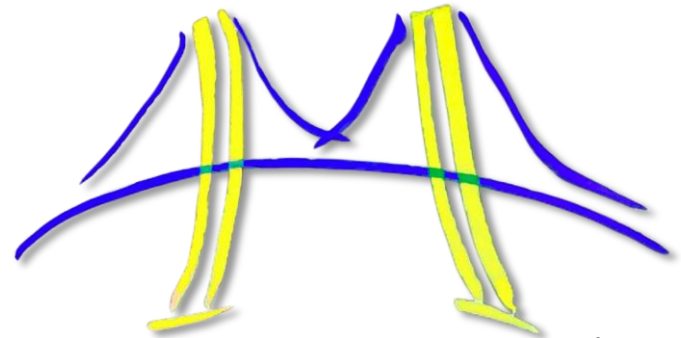


Music Recommendation & Exploration Demo

Leo Meyerovich, Katya Gonina, Gage Eads, Eric Roman, Eric Battenberg, Henry Cook, Gerald Friedland

End of ParLab Celebration
May 30, 2013



Demo

System Overview

Parallel Browser

SEJITS

“Radiohead”
“King Tubby”

Client

sid_1,
sid_2

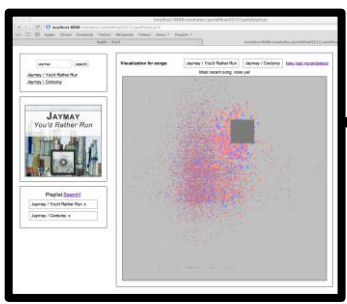
Layout Engine

Server

Recommendation Engine

1K clustered songs

1M songs



Tesselation

Client Architecture



Safari Web Browser

Parallel JavaScript Libraries

Render

WebGL

Layout

WebCL

Parse
(JSON)

Web
Workers

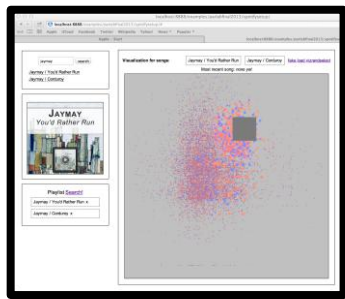
1K
clustered
songs

1M
songs

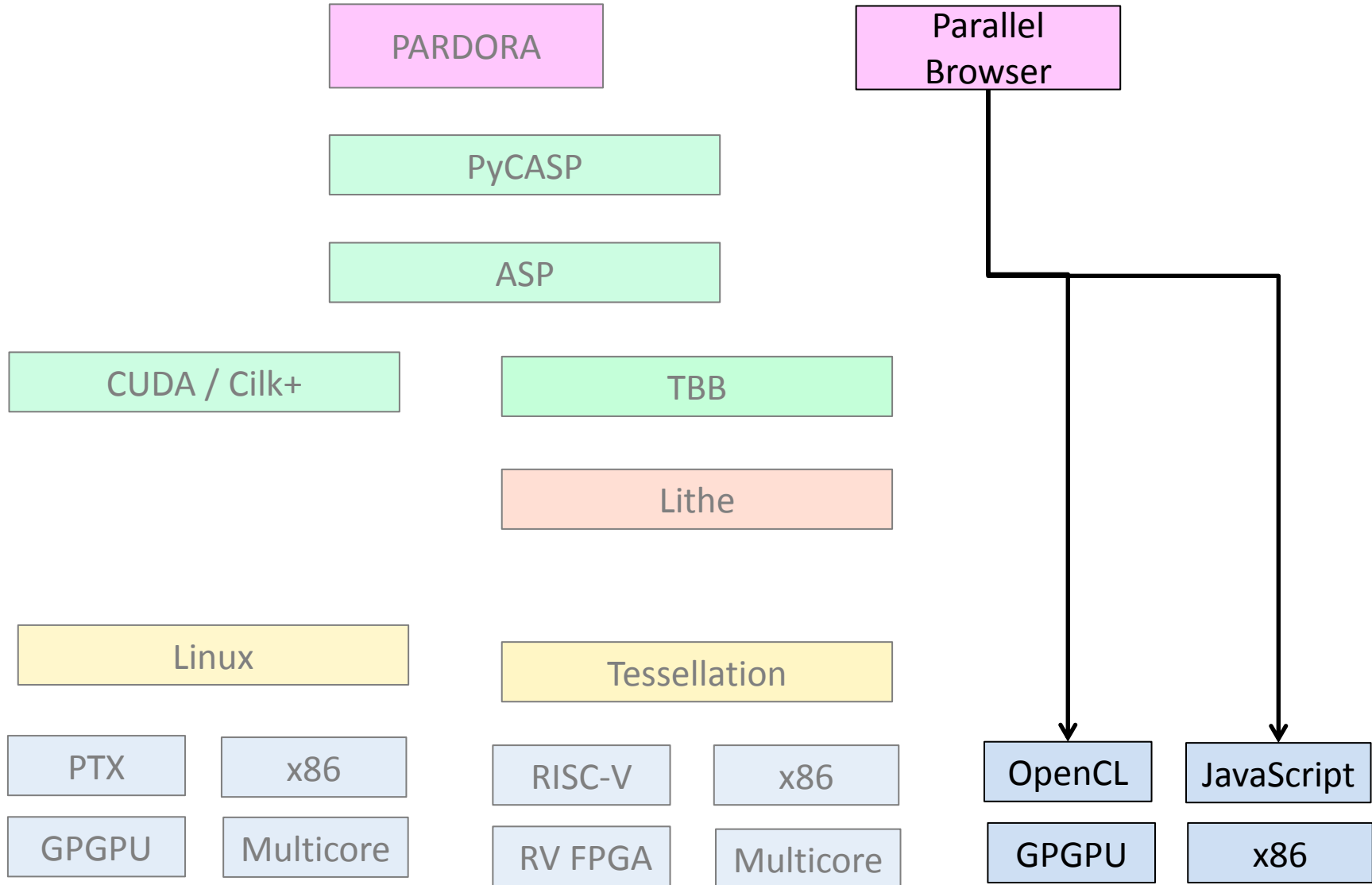
viz.ftl

Synthesizer

offline: compile-time



Music Recommendation Stack



Server Architecture

Offline Phase



Online Phase

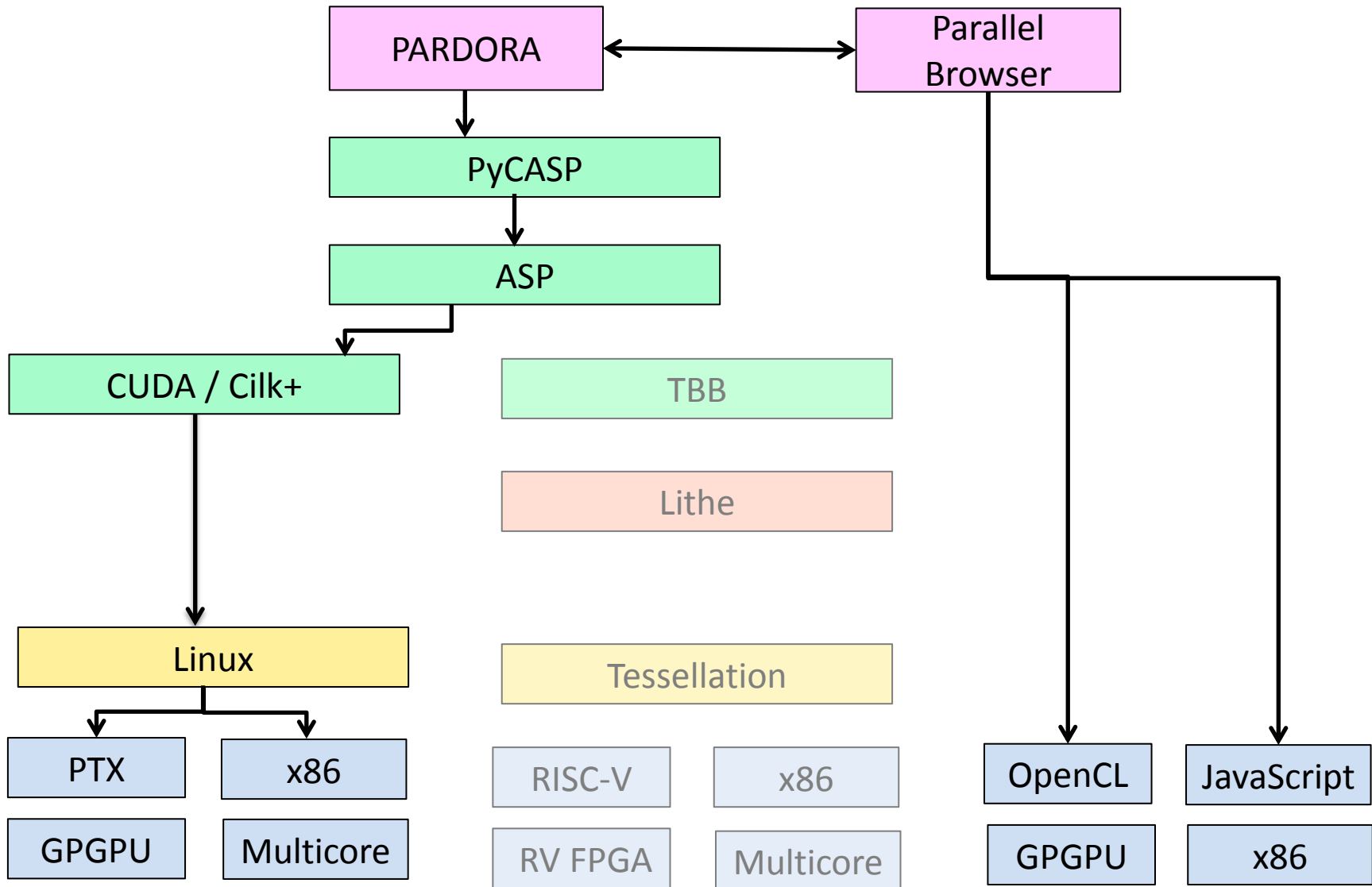
“Radiohead”

Tesselation



odel

Music Recommendation Stack



Music Recommendation Stack

