HMAX-MATLAB Discussion - 2 Feb. 2012

Completed

Proposed

hmaxPat

hmaxJ&J

hmaxVanilla
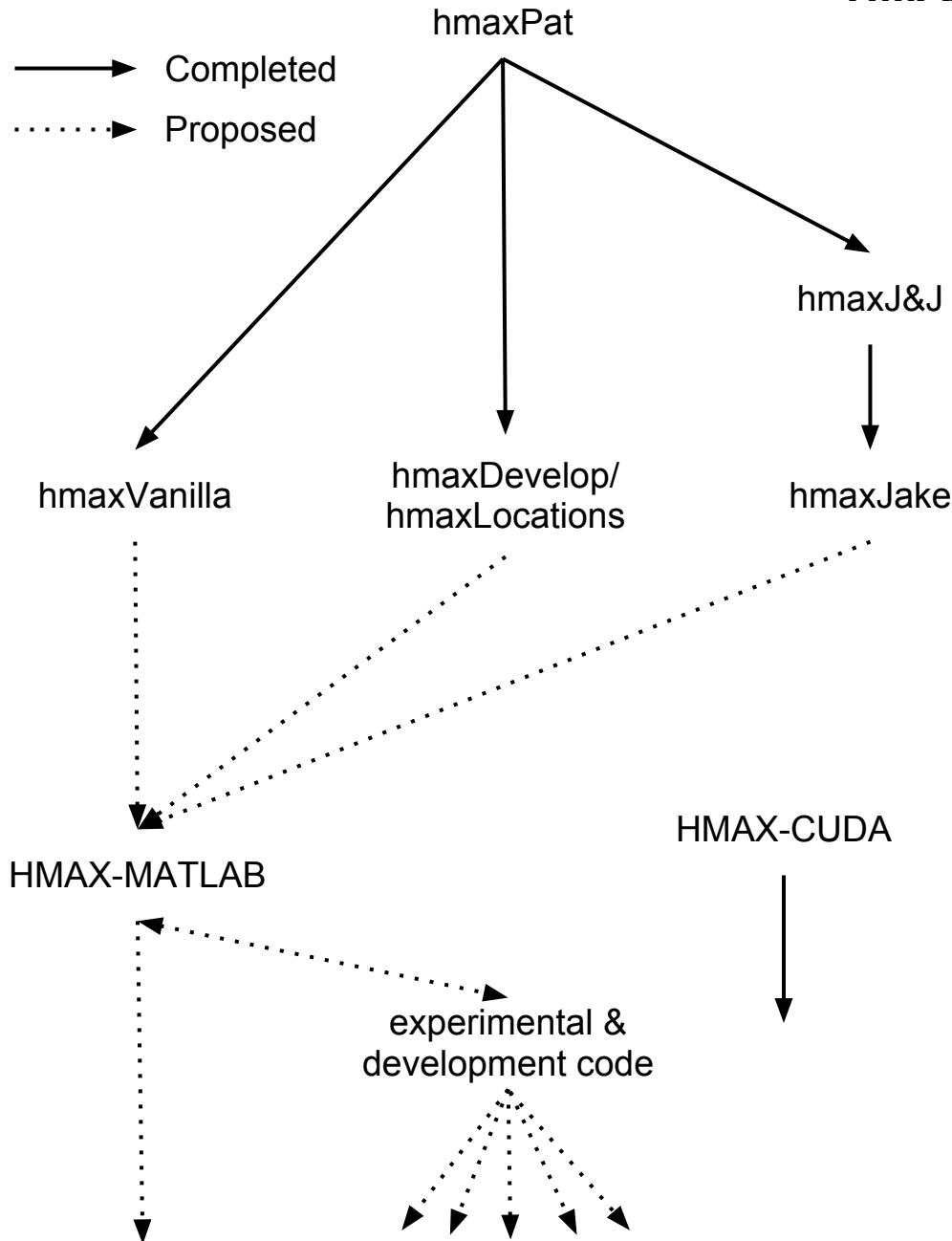
hmaxDevelop/
hmaxLocations

hmaxJake

HMAX-MATLAB

HMAX-CUDA

experimental &
development code

hmaxDevelop/Locations: Josh's current code, not including S2 border changes, includes location reporting in C2locations.m, not in C2.m, has C2gaussian.m, also a set of utilities

hmaxJake: Jake's (APL's?) current code, has a slightly different implementation of C2 location reporting.

hmaxPat: emailed to Josh from Pat Sep. 2011

hmaxJ&J: old feature learning code, not used, introduced C2 location reporting

hmaxVanilla: cosmetic changes and two minor bug fixes to hmaxPat

hmaxPat, hmaxVanilla, hmaxDevelop, and hmaxLocations now give the same results.

hmaxJake differs in three crucial places from the other versions. These changes can probably all be adopted in the standard.

We don't have figures for HMAX-CUDA, yet.

Proposal: merge active MATLAB implementations into a standard HMAX-MATLAB. Experimental and development versions would then be forked from that standard, and recognized improvements merged back over time.