This document outlines the remaining work needed to finalize double precision support in `stdlib/math/base/special`. Thanks to Gunj, only a few double precision C implementations remain to be completed. Since these implementations are independent of the single precision work, both can progress in parallel without any dependencies.

1. Missing addons

These packages lack proper C implementations and need their native addon implementations to be updated. There are already open PRs addressing this. I will try to review those and assess their status. If not, they can be implemented from the beginning.

- cabs2f
- cabsf
- cceilf
- cflipsignf
- cidentityf

2. Missing C implementations

These functions need to be implemented from scratch.

Package Name	Missing Prerequisite(s)
bessely1	
ellipj	
heaviside	
heavisidef	
minmax	
gammainc	
gammaincinv	

kernel-betainc	
betainc	kernel-betainc
kernel-betaincinv	betainc
betaincinv	kernel-betaincinv

3. Missing C implementations ...?

Following what was mentioned in #3377

These variadic functions can either be left without a C implementation or implemented using a valid workaround with `argc` and `argv`.

- maxabsn
- maxn
- minabsn
- minmaxn
- minmaxabsn
- minn