

# Project Status Report

## JPL Parallel SPICE Implementation

As of 11/29/2020

### Project Status Summary

Percent Complete: 0%

	<b>Scope</b>	We have had no issues with the scope of the project
	<b>Schedule</b>	Slightly behind due to tasks taking longer than expected
	<b>Quality</b>	There have been no quality issues thus far
	<b>Issues</b>	None

### Work Planned For Last Week

- Mainly a continuation of tasks
  - Get a workerPool prototype working
  - Design useful benchmarks
  - Work on design document
- Implement preliminary design of grpc calls
- Project midterm presentation

### Work Planned For This Week

- Current ongoing tasks
  - Design useful benchmarks
  - Work on design document
- Planning on how to merge marshalling and worker code

### Open Issues

- None

## Deliverables and Milestones

Milestone	Planned	Forecasted	Actual	Status
Understand SPICE in a Java Context	10/12/2020	10/19/2020	10/19/2020	100%
Develop a preliminary design for parallelizing SPICE functions in Java	10/12/2020	11/16/2020	11/29/2020	40%
Understand the scope of the project	10/12/2020	10/19/2020	10/19/2020	100%
Deliverable	Planned	Forecasted	Actual	Status
Create a requirements document	10/19/2020	10/19/2020	10/19/2020	100%
Create a design document	10/19/2020	11/29/2020	-	25%
Develop a preliminary prototype of ParSPICE	11/02/2020	12/7/2020	-	20%

## Open Change Requests

- None thus far

## Key Performance Indicators

- **Schedule** - Project is on Schedule
  - Schedule Variance (SV): +/- 14 days