

# **Template for WorkNote v0.1**

M. Dax Garner

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# Day-of-the-Week, Month Day

The day's best laid plans:

- Create a template.
- Send to prospective users.
- 

## 1 A Project on the Projection of A

General notes about a project can go here that would not apply to a specific subproject of the project.

### 1.1 One Task 1: Initial Development

- Notes on subproject.
- 

#### Process: Project A Process 1

1. Step 1.
2. Step 2.
3. Success Criteria: Always!

### 1.2 Two Task 2: Performance Increase

Notes do not have to be itemized.

#### Delivery: A Task 2

Delivery notes:

- Who
- What

*Day-of-the-Week, Month Day*

- Why
- ...

# Monday, January 1

The day's best laid plans:

- Sleep.

## 1 A Project on the Projection of A

**Receivable: Project A Baseline 1**

From Som E. One. It fixes problem X.

### 1.1 Performance of Task 1

- Analyze performance of task in **Receivable: Project A Baseline 1**.
- Increased! Yay!

**Process: How to Build PDF from  $\text{\LaTeX}$**

1. Complete current note-taking session.
2. Spell-check your recently edited notes, if you care. At Odyssey you will have to ask for hunspell to be installed. Example: `> hunspell -t mmdd.tex`
3. Execute `pdflatex` on main tex file. Example: `> pdflatex year.tex`
4. Resolve any errors or warnings.
5. Execute `makeindex` on main idx file to generate index. Example: `> makeindex year.idx`
6. Resolve any errors or warnings.
7. If you have a bibliography, execute `bibtex` on the main aux file. Example: `> bibtex year.aux`
8. Resolve any errors or warnings.
9. Execute `pdflatex` twice. The second time ensures all references are included. Example: `> pdflatex year.tex`
10. Open and enjoy a PDF version of your notes.

## 2 B Project on the Projection of B

### 2.1 One Task 1: Initial Development

- Added following algorithm [1]:

$$1B = 2B - 1B \quad (0.1)$$

- Memory usage increased.

### 2.2 Two Task 2: Performance Increase

- See results in Figure 1
- Eqn. 0.1 doesn't work very well for this task.

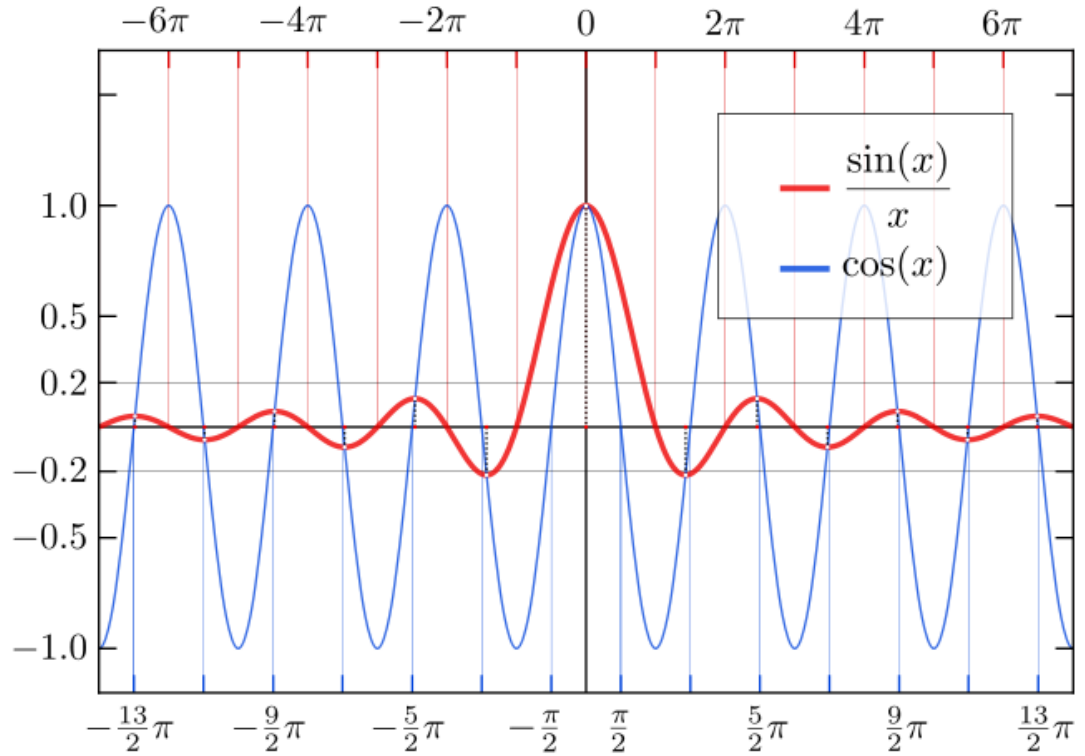


Figure 1: Performance of B2

- Finally figured out why it wont compile! See Fix 1.

**Fix: Error: expected =, ;, ], ) or \_\_attribute\_\_ before ‘Simulink\_Class’**

Error occurs during build in a Simulink auto-generated header file included in a trick generated io\_src file. Note the io\_src files will be a \*.c instead of an expected \*.cpp. That is the problem, it needs be a \*.cpp. For example:

```
In file included from io_src/io_comp_az_el_OrionSim.c:53:
```

```
/home/garnerd1/simulink/comp_az_el_OrionSim.h:47: error: expected =, ;, ], ), __attribute__
```

```
make: *** [/home/garnerd1/simulink/object_Linux_4.1_25_x86_64/io_comp_az_el_OrionSim.c]
```

To make the io\_src file a \*.cpp you need to add the following Trick header to the comments of the \*.h in question:

```
/*
 * PURPOSE: (The sRFComModel Class (sModel) the main class of the sRFCom Model.)
 * LANGUAGE: (CPP)
 * PROGRAMMERS: ((Unknown) (LMSSC) (2011))
 */
```

*Monday, January 1*



# Tuesday, January 2

The day's best laid plans:

- Demonstrate reference-able process.

## 1 A Project on the Projection of A

### 1.1 One Task 1: Initial Development

Performed **Process: Project A Process 1** again...

**Delivery: A Task 1**

## 2 B Project on the Projection of B

### 2.1 One Task 1: Initial Development

- Table 1 shows the results.

Table 1: Statistical Comparison

Region	Bias	Data Std	Truth Std	Count (–)
2	0.0003739548	0.001657984	0.001295738	2401
13	-0.0005374600	0.001601039	0.001827648	17601
10	-0.0016334410	0.001609881	0.001630779	8801
5	0.0001470492	0.001590097	0.001318719	6801
3	0.0009888838	0.001594697	0.001327540	6401
0	0.0014194210	0.001606638	0.001251639	1801

- Good comparison!

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# Bibliography

- [1] Praptap Misra and Per Enge. *Global Position System: Signals, Measurements, and Performance*. Ganga-Jamuna Press, 2001. 4