WRITEUP TEMPLATE
SUBTITLE

Victoria B. Stephens
Created: March 12, 2020
Last updated: March 12, 2020

1. BACKGROUND

Words go here. Here's an equation:

$$f_l^{(x,y)} \equiv = \sum_{i=1}^{\infty} \sum_{j=1}^{\infty} (m_i + m_j)^l m_i^x m_j^y (m_i^{1/3} + m_j^{1/3})^2 m_i^{-1/2} m_j^{-1/2} N_i N_j. \tag{1}$$

Reference things like this [1]. Make code blocks in figures like in Figure 1.

2. RESULTS

Figure template is here, too. Words here. Here is an example of a bulleted list of breakfast foods:

- waffles
- pancakes
- eggs

2.1. SUBSECTION TITLE

Some more words.

REFERENCES

[1] Leung, K. M., Lindstedt, R. P., and Jones, W. P., 1991. "A simplified reaction mechanism for soot formation in nonpremixed flames". *Combustion and Flame,* **87**(3-4), pp. 289–305.

```
params:
    LisFlmlt:       true            #  true to run a flamelet simulation
    seed:           -21             #  random number generator seed
    tEnd:           0.01            #  ending time of realization (=100 d )
    domainLength:   1.0             #  length of domain   (=150 d)
    ngrd0:          1000            #  initial grid points
    chemMechFile:   c2h4red.xml     #  name of chemical mechanism file
```

Figure 1: Here's a caption for this figure