Interferometry Analysis Run 1-Copy1

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```
In [ ]: import pandas
        import numpy as np
        #import matplotlib.pyplot as plot
        from bokeh.plotting import figure, output_notebook, show
        import pandas as pd
        import scipy
        from scipy import optimize
        from scipy import stats
        import numpy as np
        import matplotlib.pyplot as plt
        %matplotlib inline
        from bokeh.plotting import figure, output_notebook, show
        import math
        import scipy.optimize as opt
        output_notebook(hide_banner=False)
        %ls
In [ ]: #Defining arrays
        to = pandas.read_csv('2 Optical Try 3.csv')
        sto = to.iloc[:,0].values
                                                 #time, in seconds
        v1 = to.iloc[:,1].values
                                                 #voltage for port 1
        v2 = to.iloc[:,2].values
                                                  #voltage for port 2
        op = pandas.read_csv('Optical and Pressure Try 3.csv')
        sop = op.iloc[:,0].values
                                                 #time, in seconds
                                                 #voltage 2
        v = op.iloc[:,1].values
        pr = op.iloc[:,2].values
                                                  #pressure 2
        t = np.zeros(len(sto))
        i = 0
        while i<len(sto):</pre>
            t[i] = v1[i]+v2[i]
            i += 1
```