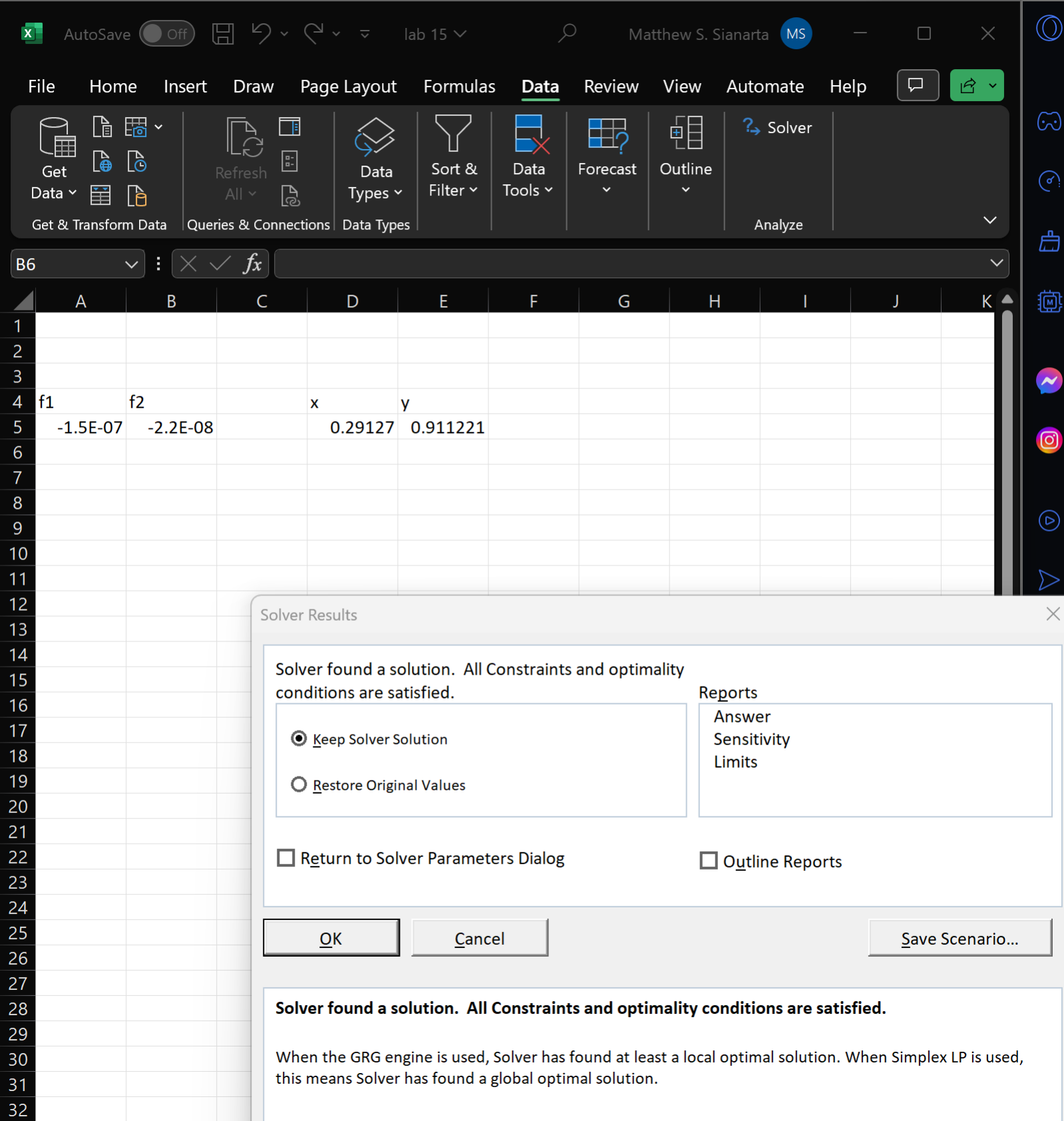
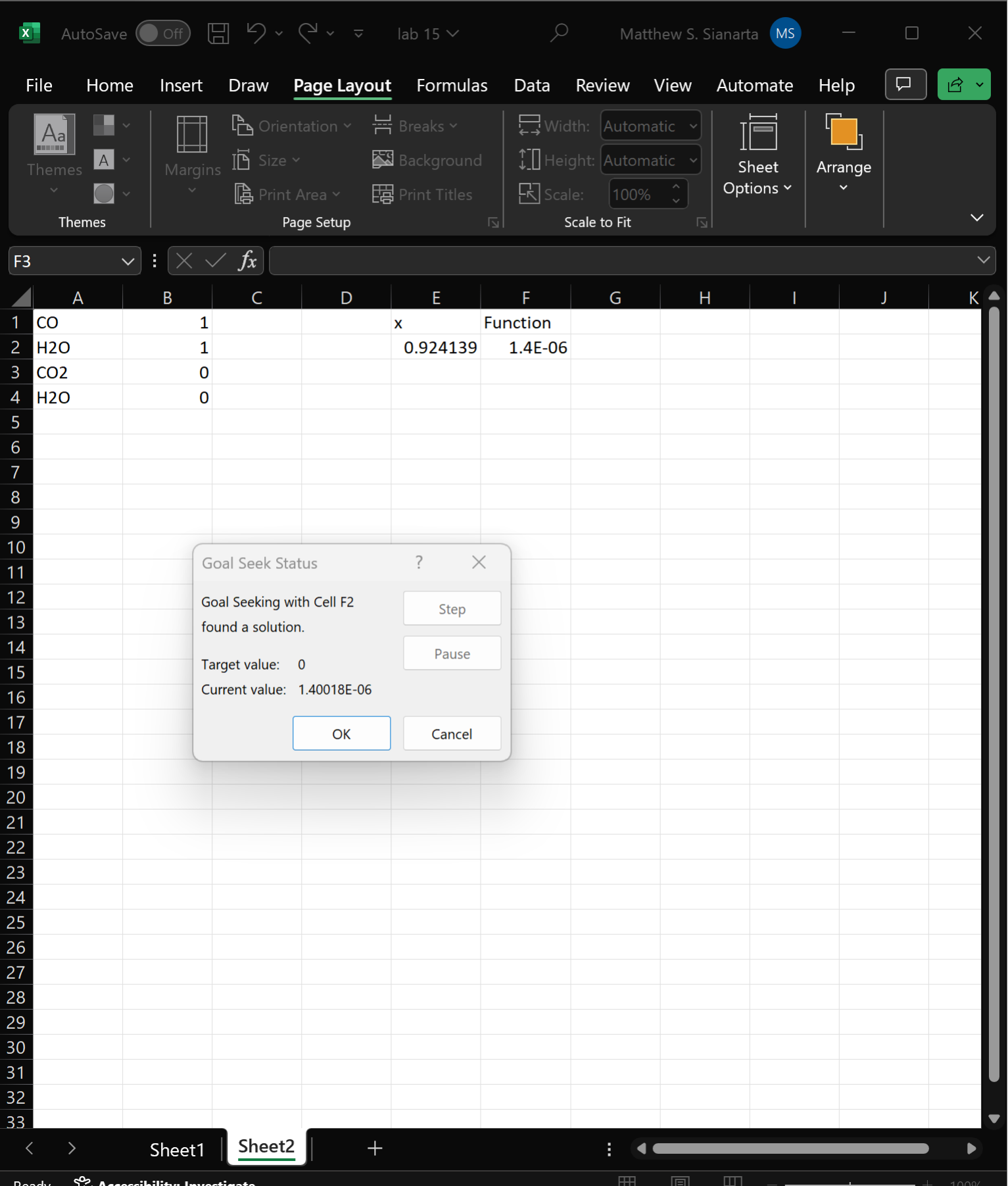

AutoSave Off
lab 15
Matthew S. Sianarta MS
File Home Insert Draw Page Layout Formulas Data Review View Automate Help
Get Data
Refresh All
Data Types
Sort & Filter
Data Tools
Forecast
Outline
Solver
Get & Transform Data
Queries & Connections
Data Types
Analyze
B6
f1 f2 x y
-1.5E-07 -2.2E-08 0.29127 0.911221
Solver Results
Solver found a solution. All Constraints and optimality conditions are satisfied.
Keep Solver Solution
Restore Original Values
Reports
Answer
Sensitivity
Limits
Return to Solver Parameters Dialog
Outline Reports
OK
Cancel
Save Scenario...
Solver found a solution. All Constraints and optimality conditions are satisfied.
When the GRG engine is used, Solver has found at least a local optimal solution. When Simplex LP is used, this means Solver has found a global optimal solution.


AutoSave
Off
lab 15
Matthew S. Sianarta
MS
File
Home
Insert
Draw
Page Layout
Formulas
Data
Review
View
Automate
Help
Themes
Margins
Orientation
Size
Print Area
Breaks
Background
Print Titles
Width:
Automatic
Height:
Automatic
Scale:
100%
Sheet Options
Arrange
Themes
Page Setup
Scale to Fit
F3
CO 1
H2O 1
CO2 0
H2O 0
x
Function
0.924139
1.4E-06
Goal Seek Status
Goal Seeking with Cell F2 found a solution.
Target value: 0
Current value: 1.40018E-06
Step
Pause
OK
Cancel
Sheet1
Sheet2

MATLAB R2022b - student use

H... P... A... E... P... V...

Search Documentation

Matthew

New Open Save Compare Print NAVIGATE Refactor ANALYZE SECTION Run Step Stop

FILE CODE RUN

C: ▸ Users ▸ siana ▸ OneDrive ▸ Documents ▸ CHE 1411 and 1311 ▸

Current Folder

Name

- html
- a4_3_hw.asv
- a4_3_hw.m
- Ch6_hw.m
- Ch_5_hw.asv
- Ch_5_hw.m
- conicalWater.m
- Elements_and_Compou..
- ex6_1.m
- f6_1.asv
- f6_12.m
- hw8.m
- hw_3.m
- matrixAvg.m
- Plor.m
- Spheres.m
- week_15_d.m
- week_15_d_2.m
- week_15.asv
- week_15.m

Details

Select a file to view details

Editor - C:\Users\siana\OneDrive\Documents\CHE 1411 and 1311\w...

+5 week_15.m week_15_d.m week_15_d_2.m

```
1   x0=0.9;
2   fun=@week_15_d;
3   z=fzero(fun, x0)
4
```

Command Window

```
Error in week_15_d_2 (line 3)
z=fzero(fun, x0)

>> week_15_d_2
Error using fzero
Initial function value must be finite and real.

Error in week_15_d_2 (line 3)
z=fzero(fun, x0)

>> week_15_d_2

z =

    0.9241

>>
```

Workspace

Name	Value
a	[-6,-2
a1	3
a2	3
b	[15;1
fun	@we
t1	[1,1;1
t2	[3;1]
x0	0.900
y	[-2.7
y1	[2;1]
y2	2
y3	2
z	0.924

Zoom: 10... UTF-8 CRLF script Ln 1 Col 7

MATLAB R2022b - student use

H... P... A... E... P... V...

Search Documentation

Matthew

New Open Save Compare Print NAVIGATE Refactor ANALYZE SECTION Run Step Stop

FILE CODE RUN

C: ▸ Users ▸ siana ▸ OneDrive ▸ Documents ▸ CHE 1411 and 1311 ▸

Current Folder

Name

- html
- a4_3_hw.asv
- a4_3_hw.m
- Ch6_hw.m
- Ch_5_hw.asv
- Ch_5_hw.m
- conicalWater.m
- Elements_and_Compou..
- ex6_1.m
- f6_1.asv
- f6_12.m
- hw8.m
- hw_3.m
- matrixAvg.m
- Plor.m
- Spheres.m
- week_15_d.m
- week_15_d_2.m
- week_15.asv
- week_15.m

Details

Select a file to view details

Editor - C:\Users\siana\OneDrive\Documents\CHE 1411 and 1311\w...

+5 week_15.m week_15_d.m week_15_d_2.m

```
1  function f=week_15_d(x)
2
3  f=148.4-(x^2/(1-x)^2);
```

Command Window

```
Error in week_15_d_2 (line 3)
z=fzero(fun, x0)

>> week_15_d_2
Error using fzero
Initial function value must be finite and real.

Error in week_15_d_2 (line 3)
z=fzero(fun, x0)

>> week_15_d_2

z =

    0.9241

fx >>
```

Workspace

Name	Value
a	[-6,-
a1	3
a2	3
b	[15;
fun	@w
t1	[1,1;
t2	[3;1]
x0	0.90
y	[-2.7
y1	[2;1]
y2	2
y3	2
z	0.92

Zoom: 10... UTF-8 CRLF week_15_d Ln 3 Col 23