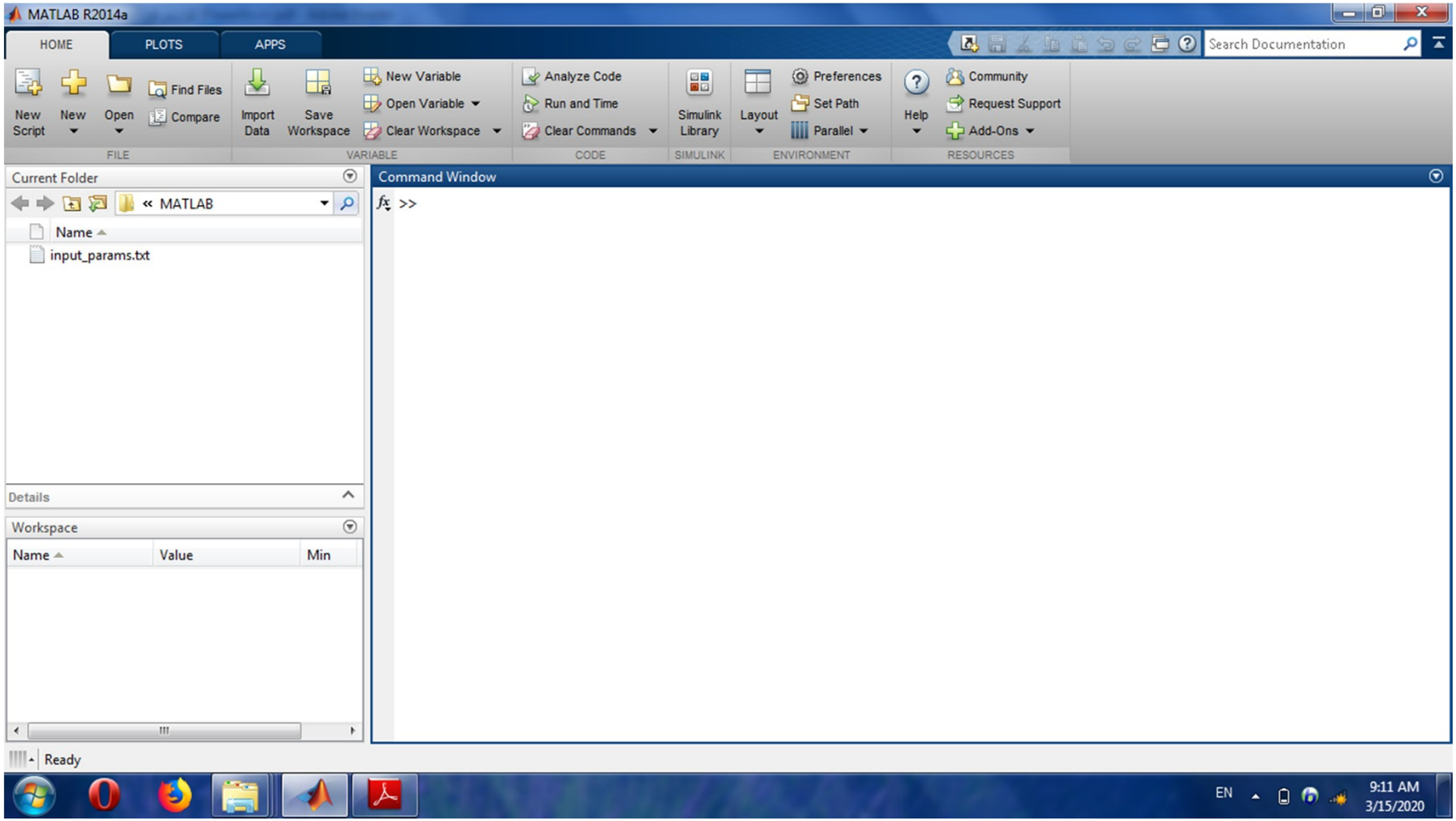
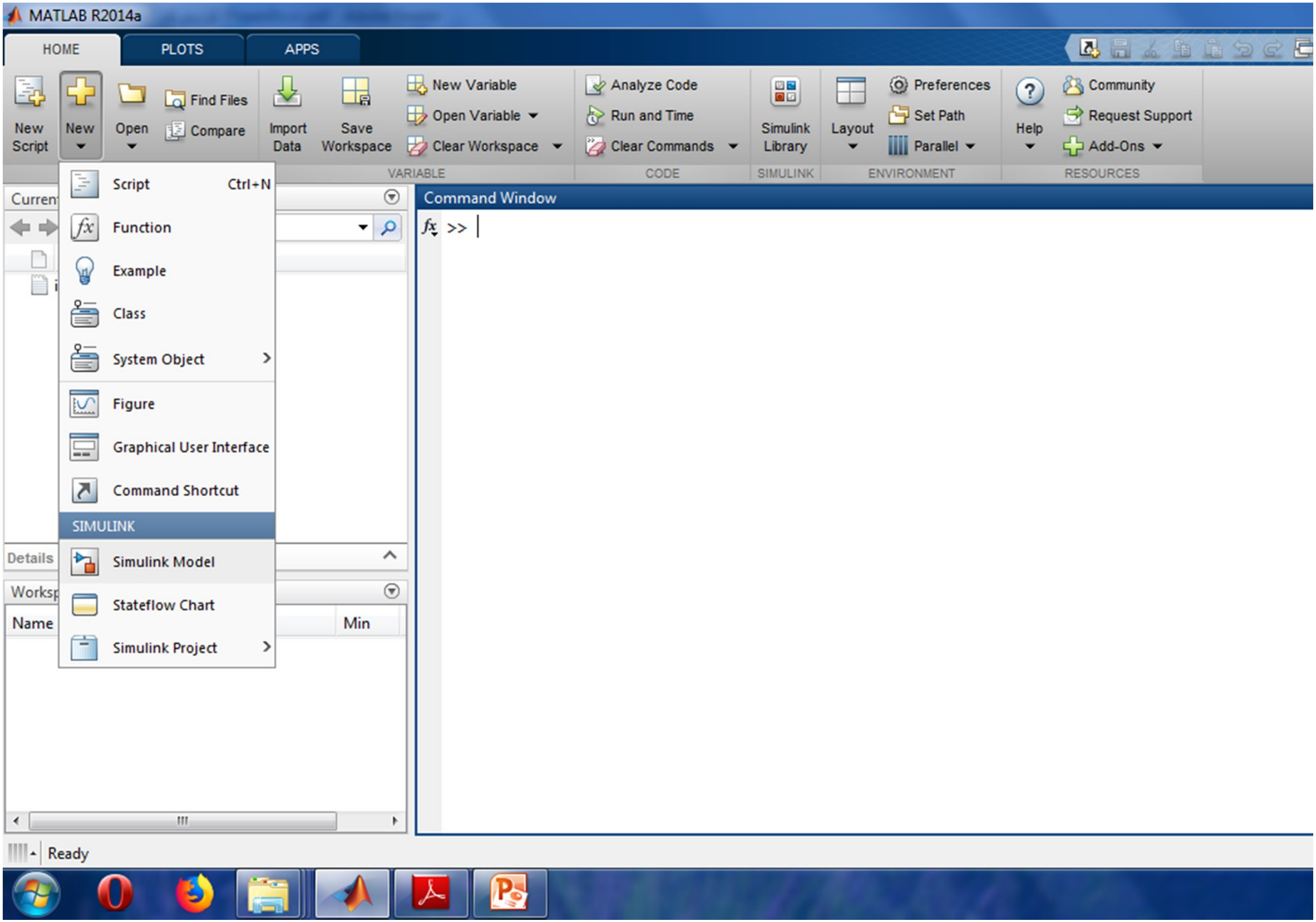
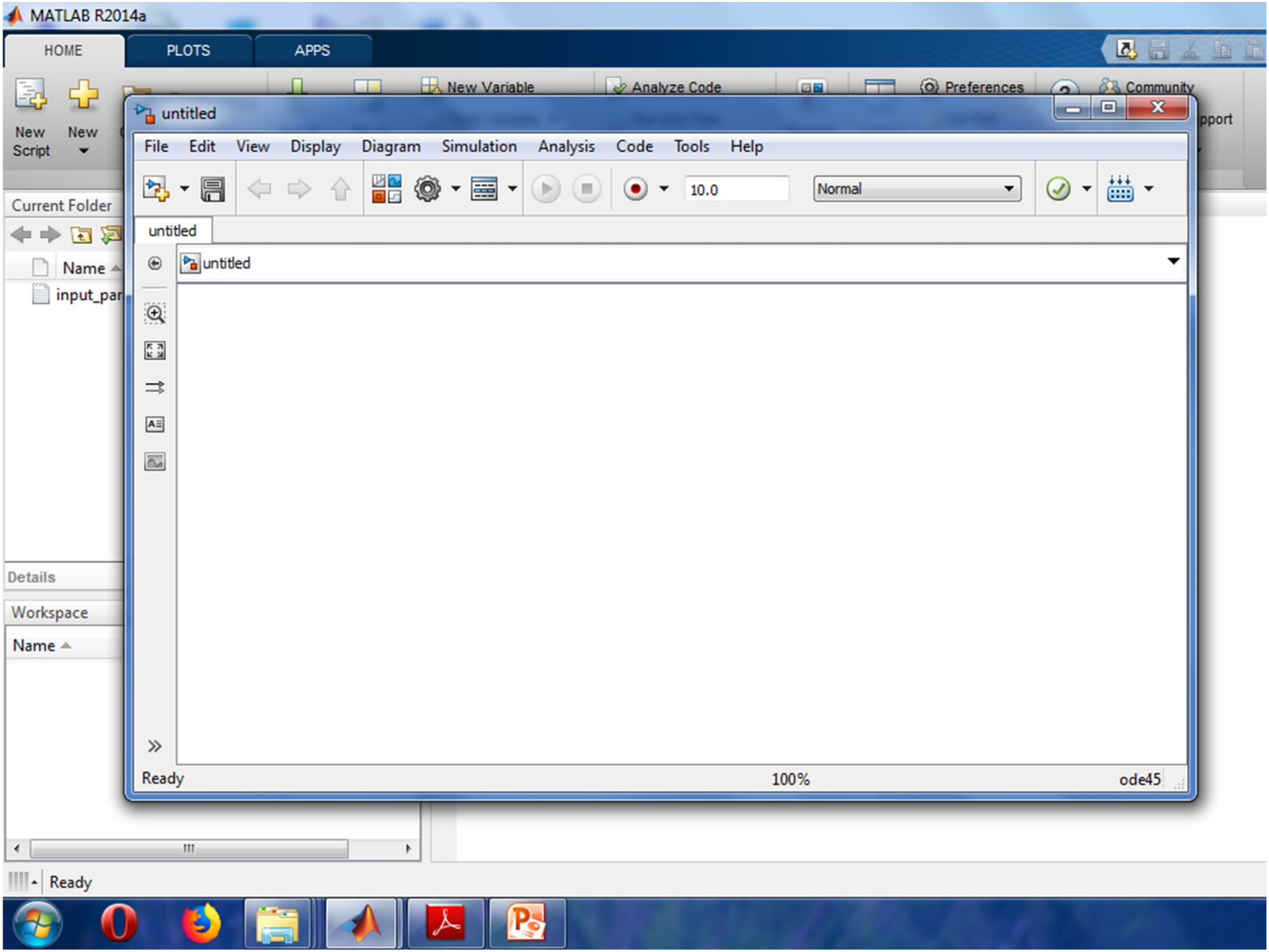

MATLAB R2014a
HOME
PLOTS
APPS
Search Documentation
New Script
New
Open
Find Files
Compare
Import Data
Save Workspace
New Variable
Open Variable
Clear Workspace
Analyze Code
Run and Time
Clear Commands
Simulink Library
Layout
Preferences
Set Path
Parallel
Help
Community
Request Support
Add-Ons
FILE
VARIABLE
CODE
SIMULINK
ENVIRONMENT
RESOURCES
Current Folder
« MATLAB
Name
input_params.txt
Details
Workspace
Name
Value
Min
Command Window
>>
Ready
EN
9:11 AM
3/15/2020

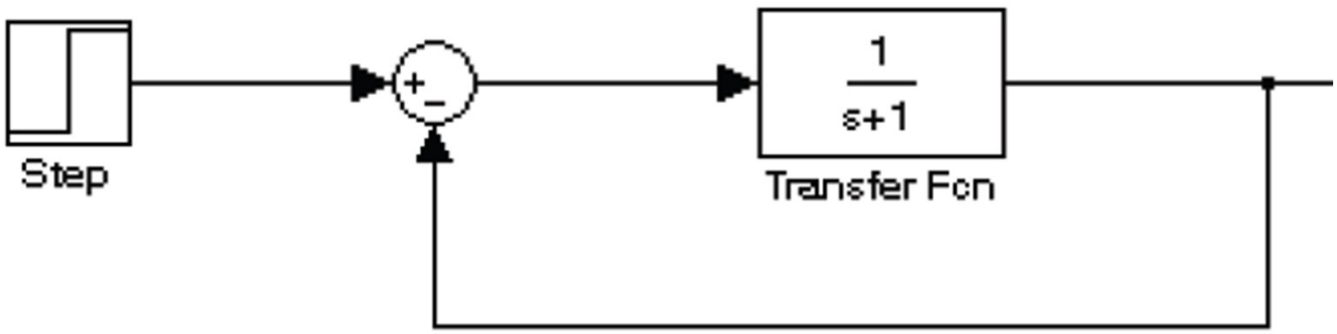

MATLAB R2014a
HOME
PLOTS
APPS
New Script
New
Open
Find Files
Compare
Import Data
Save Workspace
New Variable
Open Variable
Clear Workspace
VARIABLE
Analyze Code
Run and Time
Clear Commands
CODE
Simulink Library
SIMULINK
Layout
Preferences
Set Path
Parallel
ENVIRONMENT
Help
Community
Request Support
Add-Ons
RESOURCES
Script Ctrl+N
Function
Example
Class
System Object
Figure
Graphical User Interface
Command Shortcut
SIMULINK
Simulink Model
Stateflow Chart
Simulink Project
Command Window
>>
Details
Name
Min
Ready

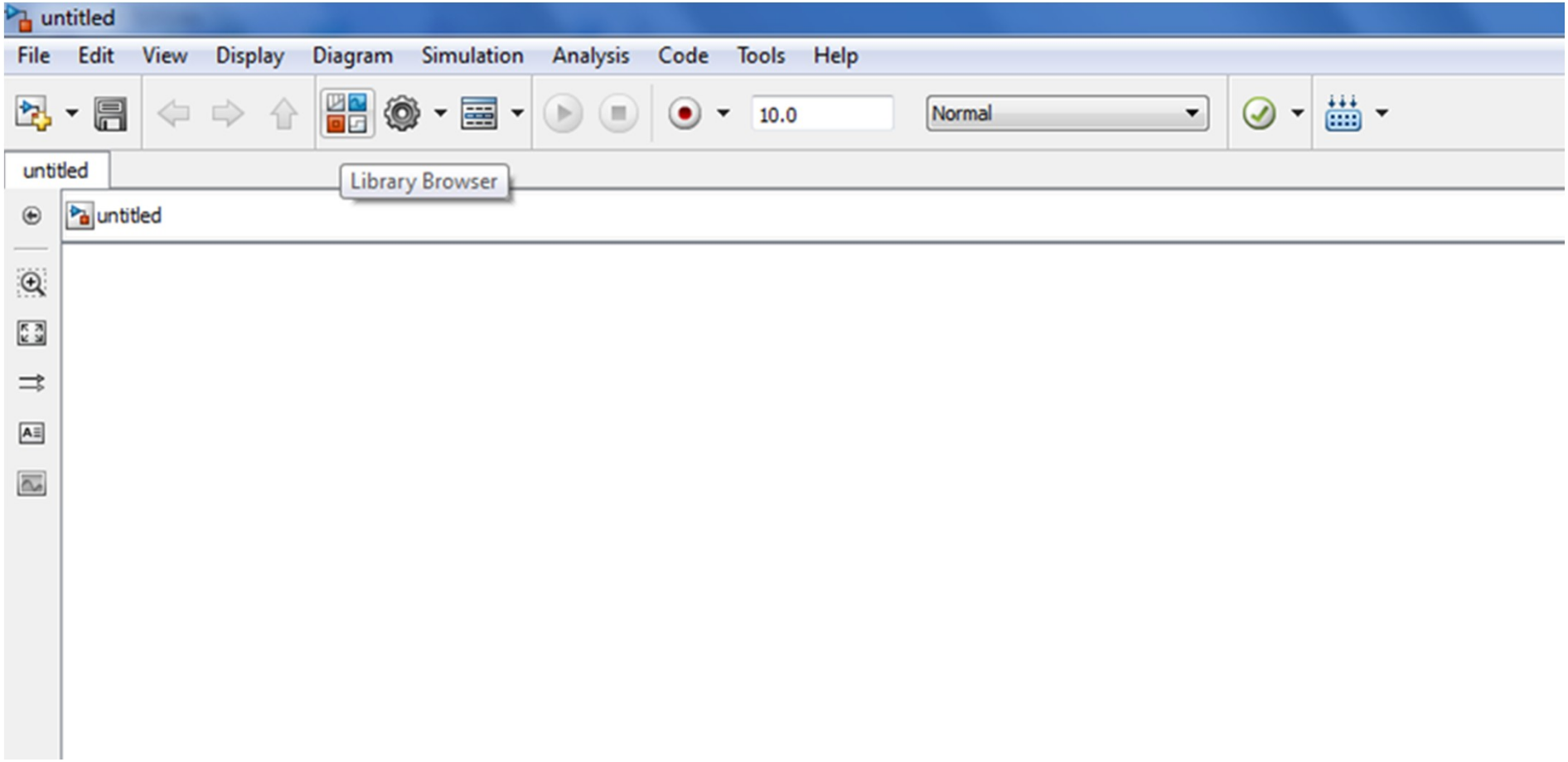

MATLAB R2014a
HOME
PLOTS
APPS
New Variable
Analyze Code
Preferences
Community
New Script
New
Current Folder
Name
input_par
Details
Workspace
Name
Ready
untitled
File Edit View Display Diagram Simulation Analysis Code Tools Help
10.0
Normal
untitled
untitled
Ready
100%
ode45
Ready

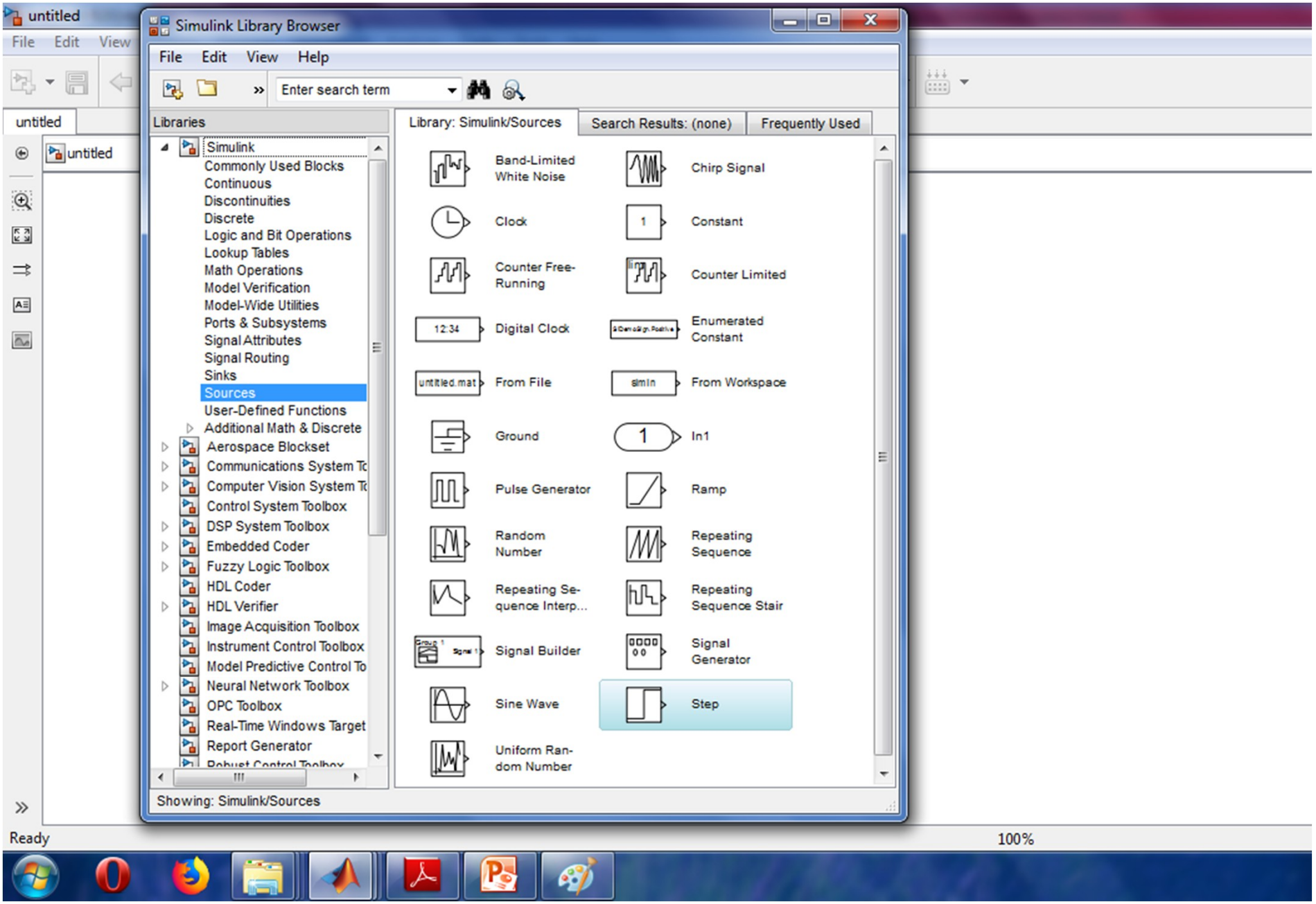
گار دنبال خواهد کرد .

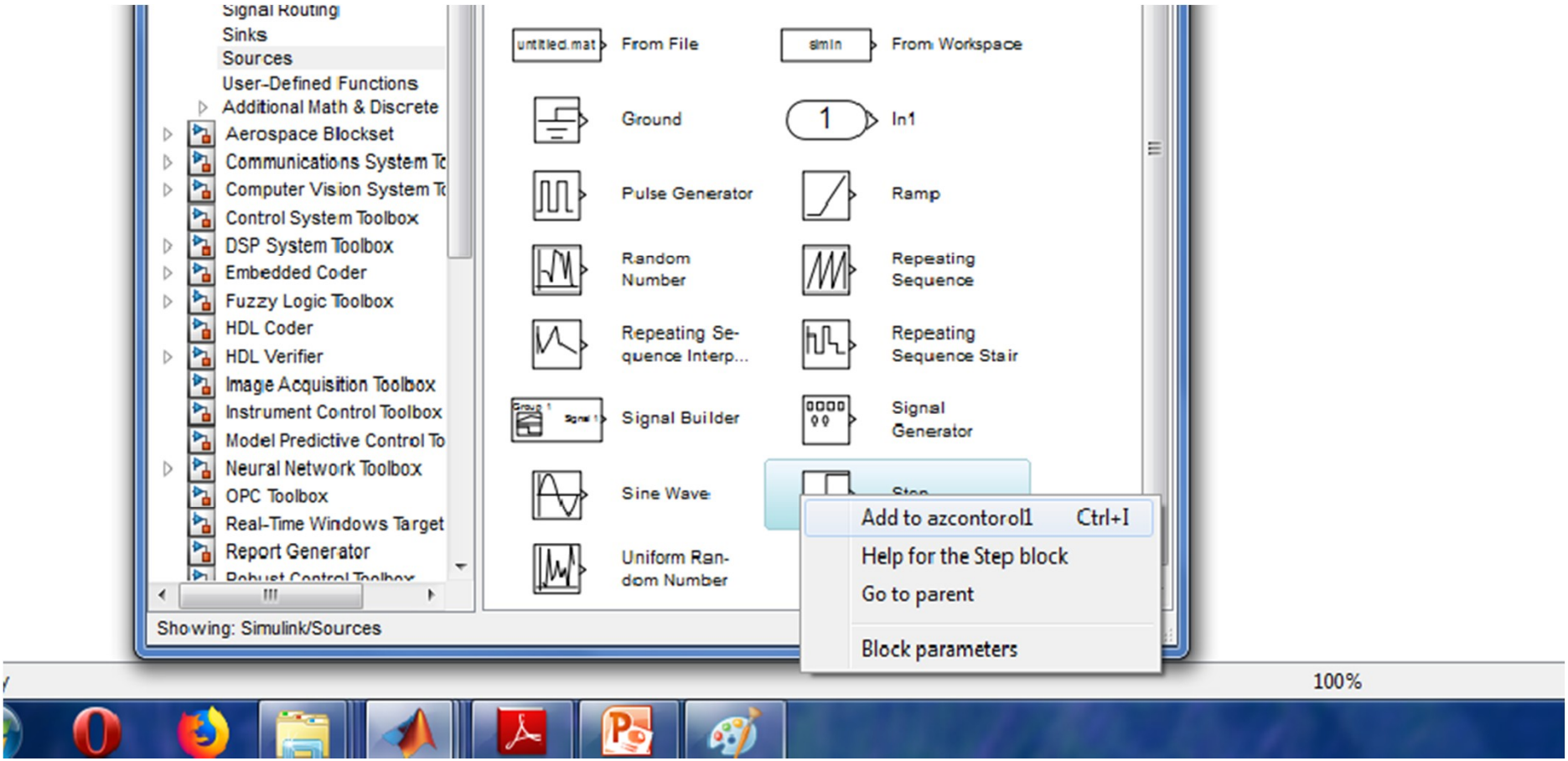
د ، $k_v = 0$ و در نتیجه $e_{ss} = \infty$ خواهد شد .

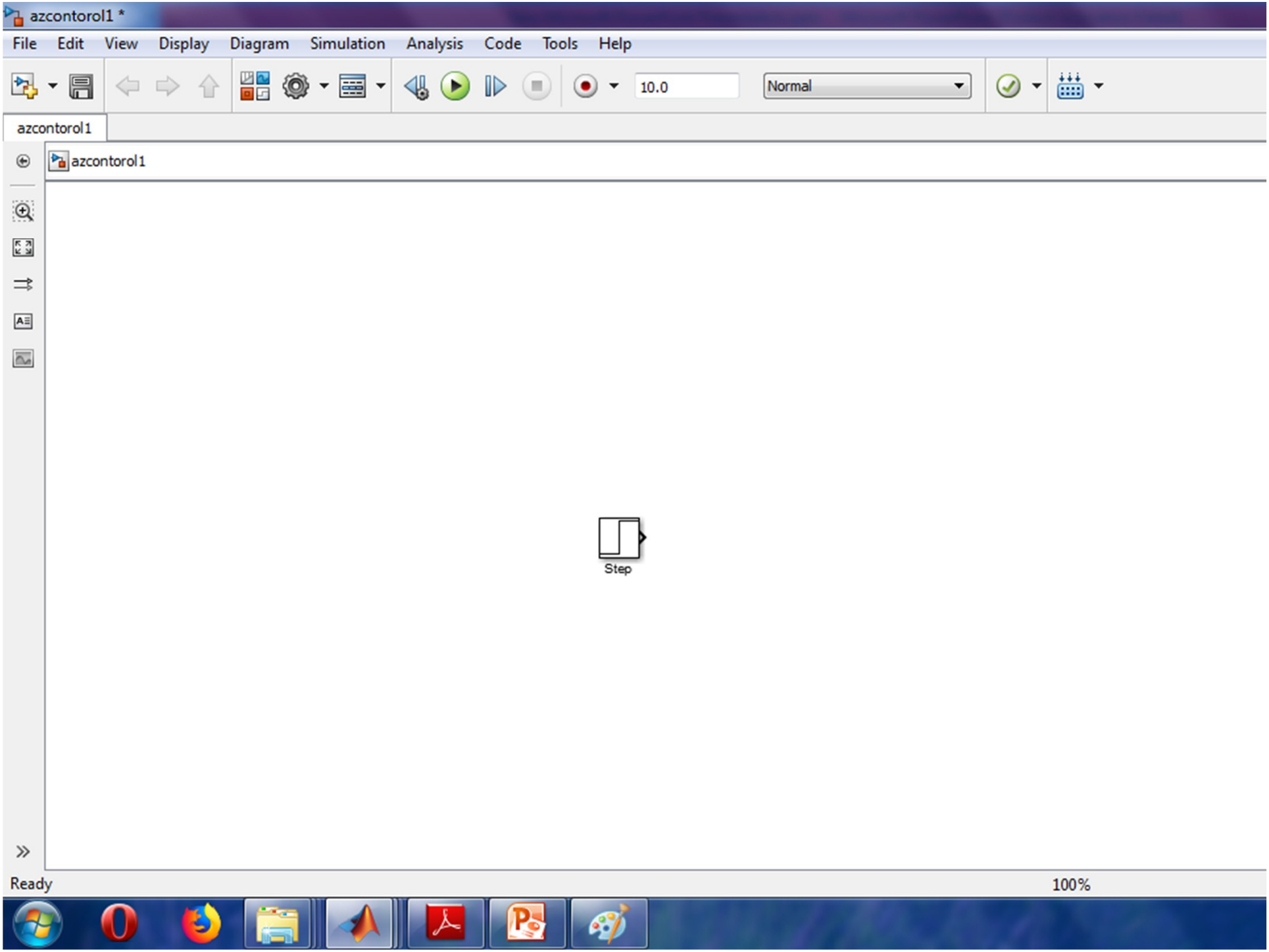
به ترتیب شبیه سازی شد و پاسخهای مختلفی به دست آمد :

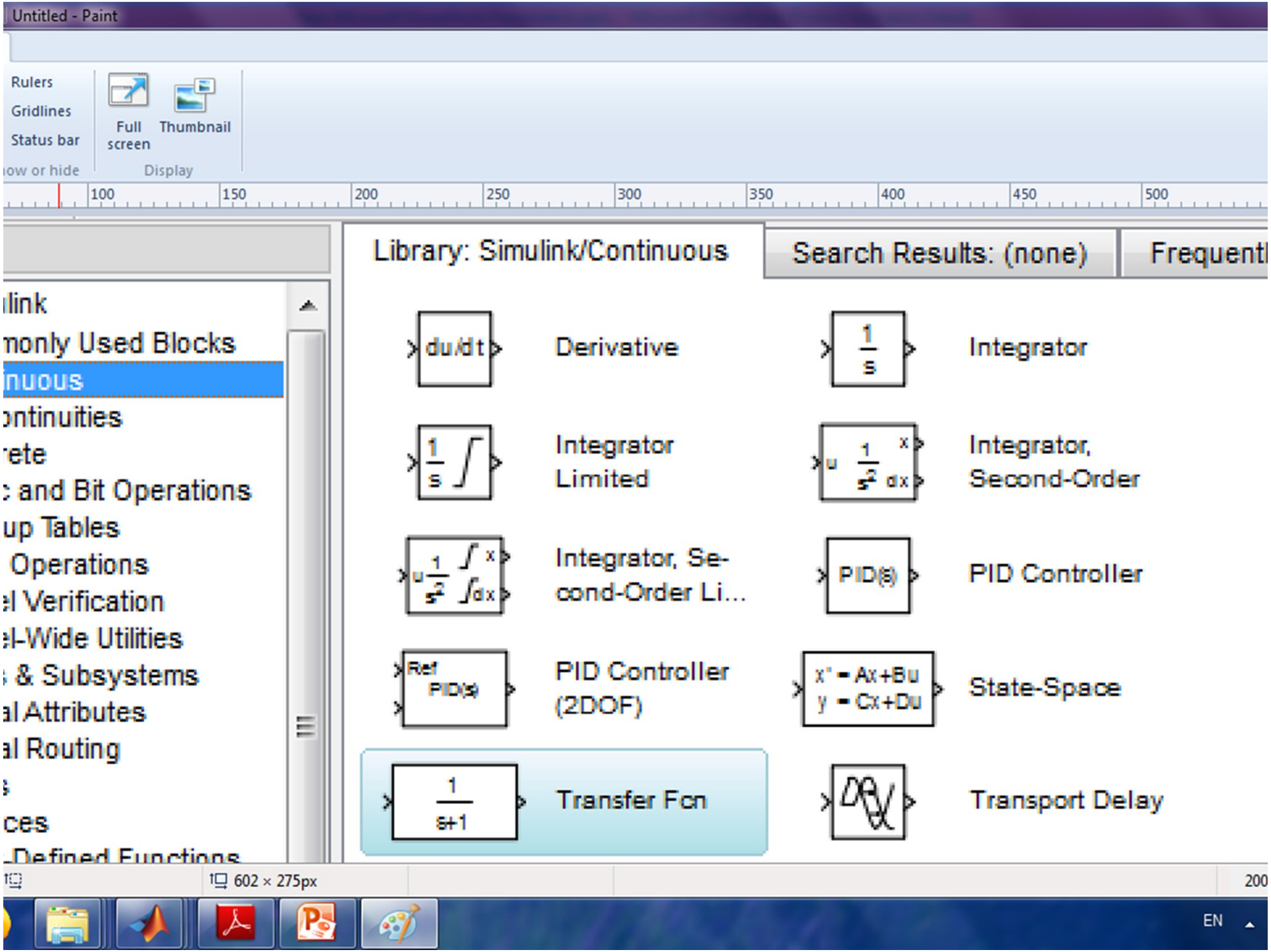


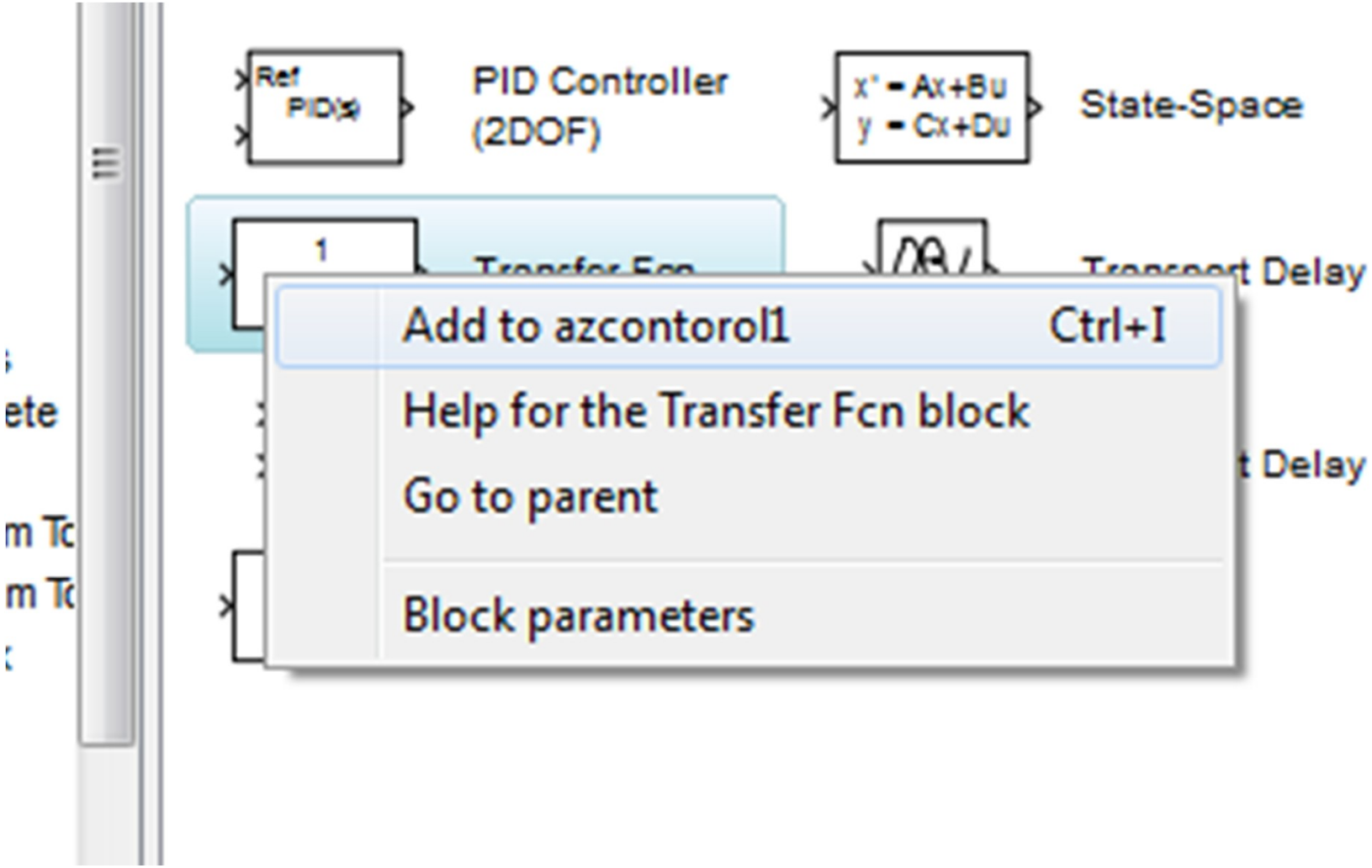

untitled
File
Edit
View
Display
Diagram
Simulation
Analysis
Code
Tools
Help
10.0
Normal
untitled
Library Browser
untitled

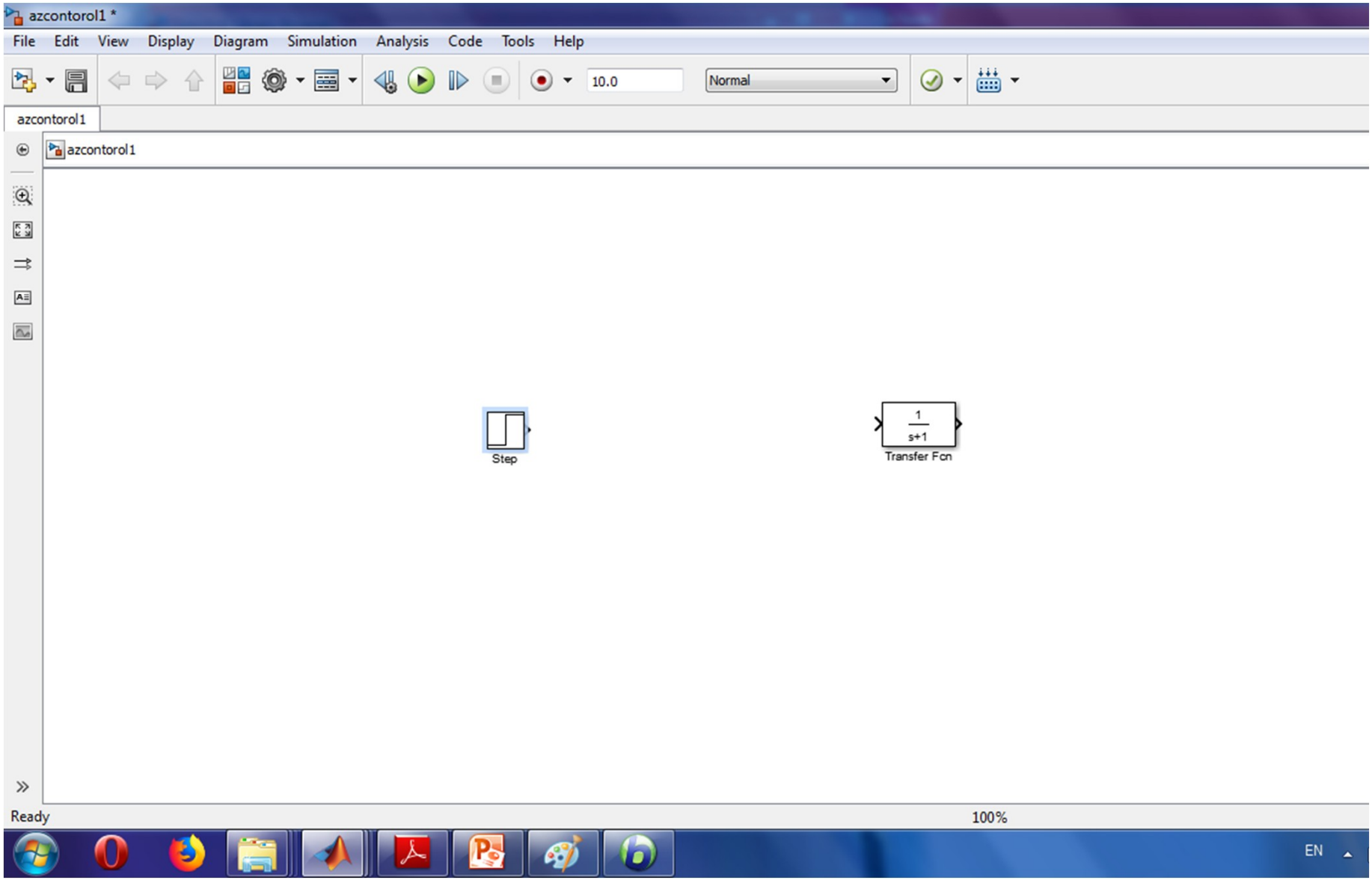

untitled
File Edit View
Simulink Library Browser
File Edit View Help
Enter search term
Libraries
Simulink
Commonly Used Blocks
Continuous
Discontinuities
Discrete
Logic and Bit Operations
Lookup Tables
Math Operations
Model Verification
Model-Wide Utilities
Ports & Subsystems
Signal Attributes
Signal Routing
Sinks
Sources
User-Defined Functions
Additional Math & Discrete
Aerospace Blockset
Communications System To
Computer Vision System To
Control System Toolbox
DSP System Toolbox
Embedded Coder
Fuzzy Logic Toolbox
HDL Coder
HDL Verifier
Image Acquisition Toolbox
Instrument Control Toolbox
Model Predictive Control To
Neural Network Toolbox
OPC Toolbox
Real-Time Windows Target
Report Generator
Library: Simulink/Sources
Search Results: (none)
Frequently Used
Band-Limited White Noise
Chirp Signal
Clock
Constant
Counter Free-Running
Counter Limited
12:34
Digital Clock
Enumerated Constant
untitled.mat
From File
simin
From Workspace
Ground
In1
Pulse Generator
Ramp
Random Number
Repeating Sequence
Repeating Sequence Interp...
Repeating Sequence Stair
Signal Builder
Signal Generator
Sine Wave
Step
Uniform Random Number
Showing: Simulink/Sources
Ready
100%

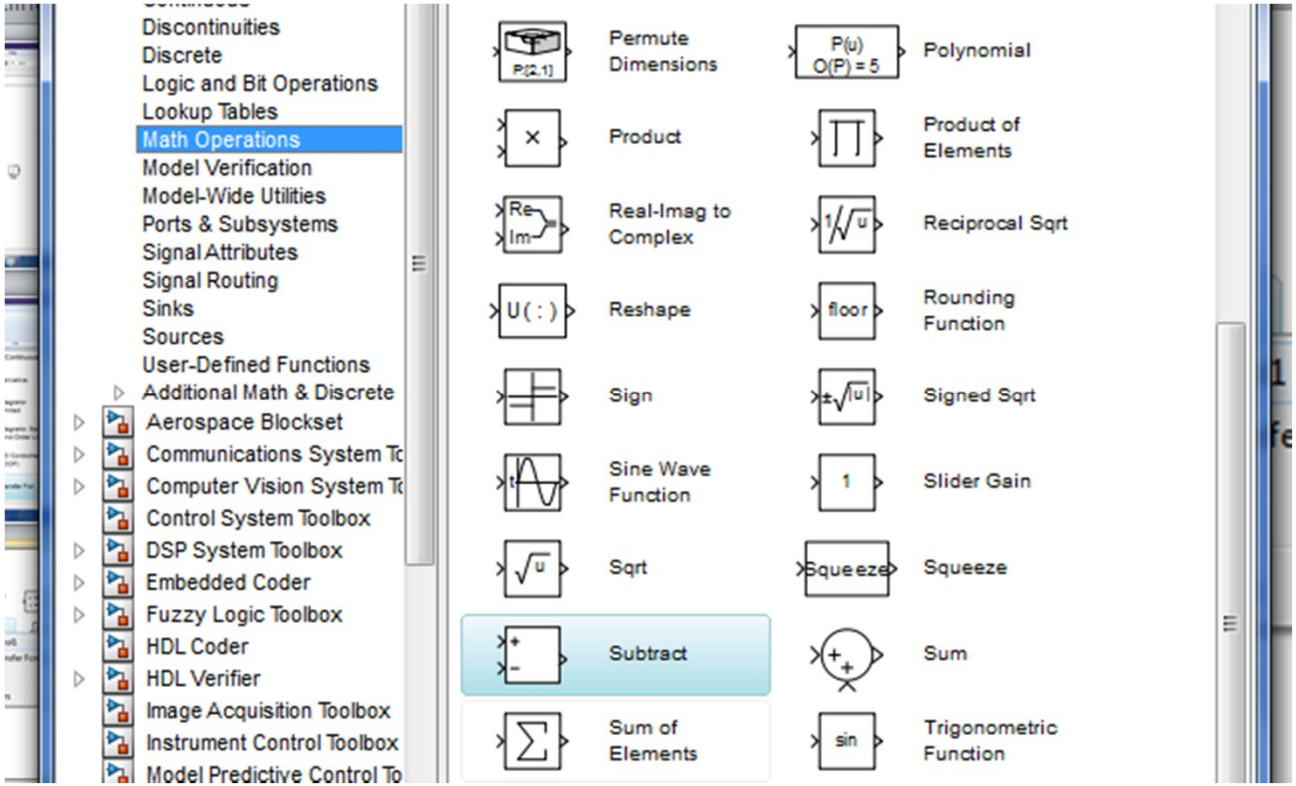

Signal Routing
Sinks
Sources
User-Defined Functions
Additional Math & Discrete
Aerospace Blockset
Communications System To
Computer Vision System To
Control System Toolbox
DSP System Toolbox
Embedded Coder
Fuzzy Logic Toolbox
HDL Coder
HDL Verifier
Image Acquisition Toolbox
Instrument Control Toolbox
Model Predictive Control To
Neural Network Toolbox
OPC Toolbox
Real-Time Windows Target
Report Generator
Showing: Simulink/Sources
untitled.mat
From File
simin
From Workspace
Ground
In1
Pulse Generator
Ramp
Random Number
Repeating Sequence
Repeating Se-quence Interp...
Repeating Sequence Stair
Signal Builder
Signal Generator
Sine Wave
Uniform Ran-dom Number
Add to azcontorol1 Ctrl+I
Help for the Step block
Go to parent
Block parameters
100%

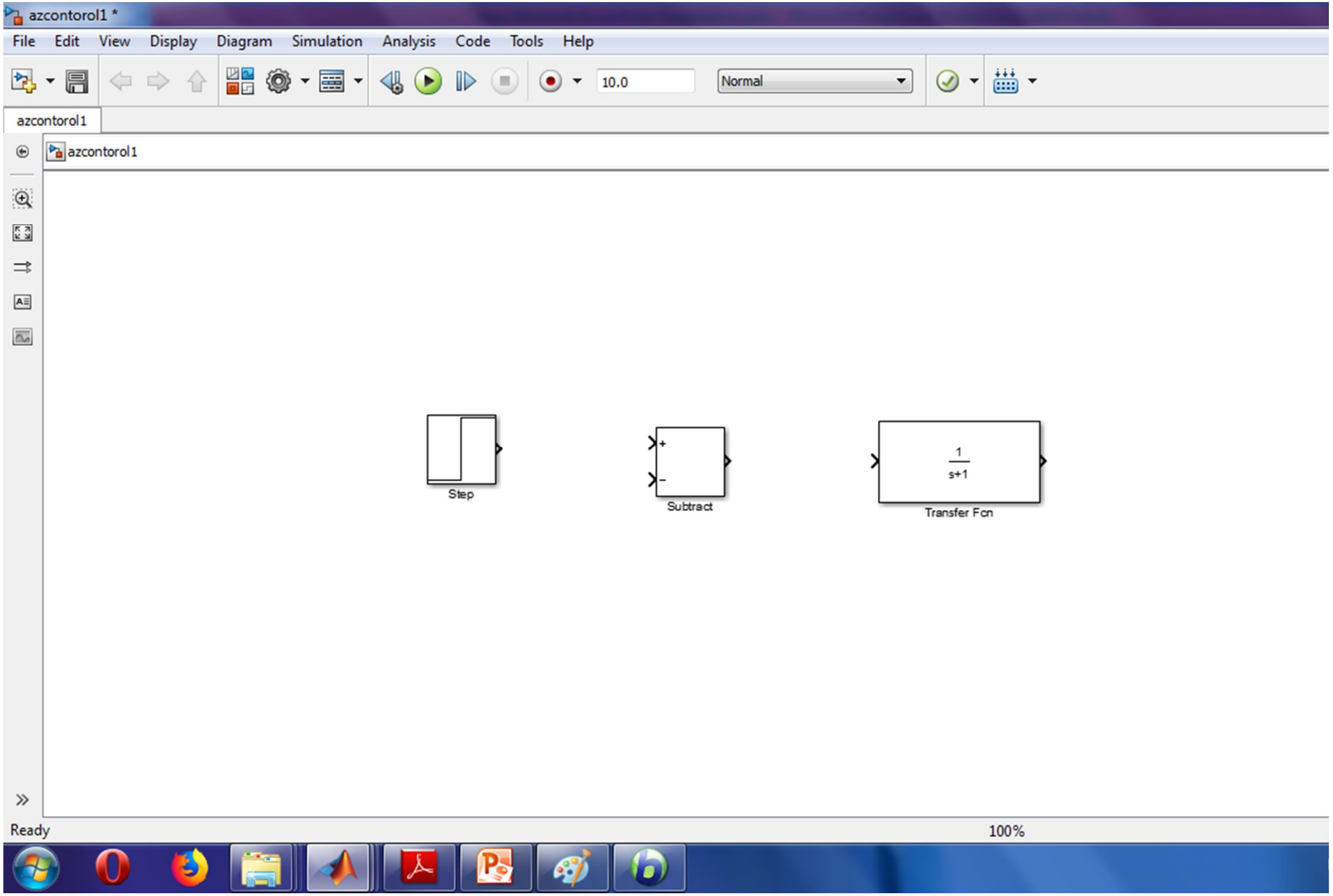

azcontorol1 *
File Edit View Display Diagram Simulation Analysis Code Tools Help
10.0
Normal
azcontorol1
azcontorol1
Step
Ready
100%

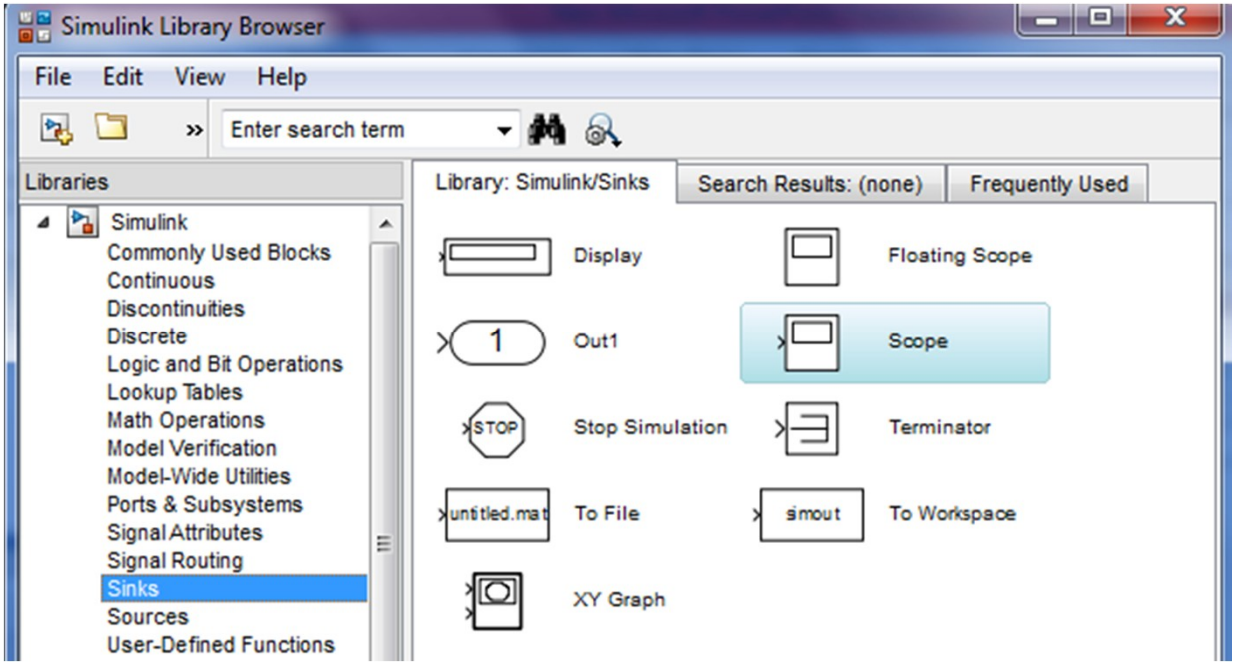

Untitled - Paint
Rulers
Gridlines
Status bar
Full screen
Thumbnail
Display
Library: Simulink/Continuous
Search Results: (none)
Frequent
Derivative
Integrator
Integrator Limited
Integrator, Second-Order
Integrator, Se-cond-Order Li...
PID Controller
PID Controller (2DOF)
State-Space
Transfer Fcn
Transport Delay
602 × 275px
EN

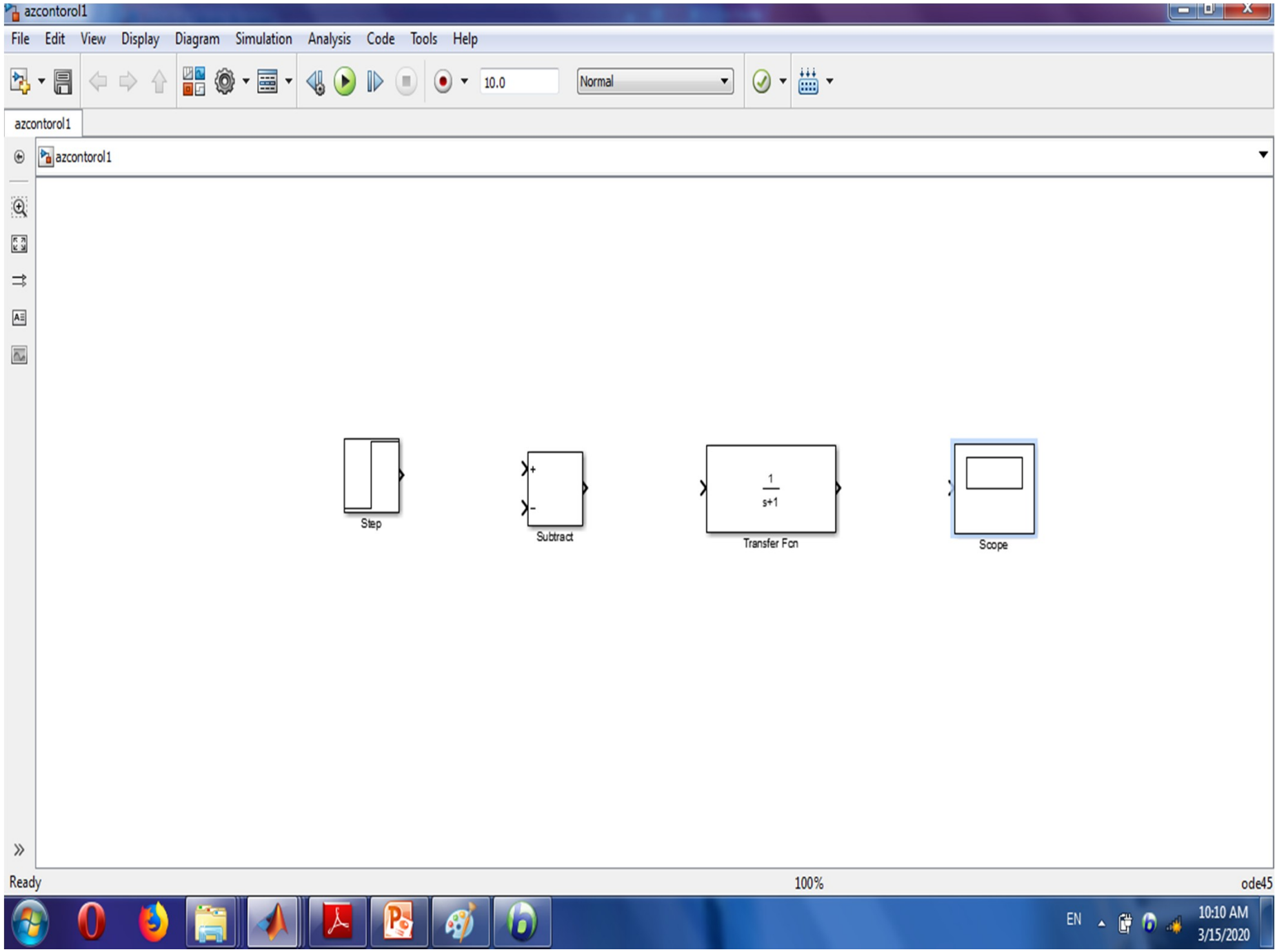

Ref
PID(s)
PID Controller
(2DOF)
x' = Ax+Bu
y = Cx+Du
State-Space
1
Transport Delay
Add to azcontorol1 Ctrl+I
Help for the Transfer Fcn block
Go to parent
Block parameters


azcontorol1 *
File Edit View Display Diagram Simulation Analysis Code Tools Help
10.0
Normal
azcontorol1
azcontorol1
Step
1
s+1
Transfer Fcn
Ready
100%
EN


Discontinuities
Discrete
Logic and Bit Operations
Lookup Tables
Math Operations
Model Verification
Model-Wide Utilities
Ports & Subsystems
Signal Attributes
Signal Routing
Sinks
Sources
User-Defined Functions
Additional Math & Discrete
Aerospace Blockset
Communications System To
Computer Vision System To
Control System Toolbox
DSP System Toolbox
Embedded Coder
Fuzzy Logic Toolbox
HDL Coder
HDL Verifier
Image Acquisition Toolbox
Instrument Control Toolbox
Model Predictive Control To
P=[2,1]
Permute Dimensions
Product
Re
Im
Real-Imag to Complex
U(:)
Reshape
Sign
Sine Wave Function
Sqrt
Subtract
Sum of Elements
P(u)
O(P) = 5
Polynomial
Product of Elements
Reciprocal Sqrt
floor
Rounding Function
Signed Sqrt
1
Slider Gain
Squeeze
Squeeze
Sum
sin
Trigonometric Function


azcontorol1 *
File Edit View Display Diagram Simulation Analysis Code Tools Help
10.0
Normal
azcontorol1
azcontorol1
Step
Subtract
1
s+1
Transfer Fcn
Ready
100%


Simulink Library Browser
File
Edit
View
Help
Enter search term
Libraries
Simulink
Commonly Used Blocks
Continuous
Discontinuities
Discrete
Logic and Bit Operations
Lookup Tables
Math Operations
Model Verification
Model-Wide Utilities
Ports & Subsystems
Signal Attributes
Signal Routing
Sinks
Sources
User-Defined Functions
Library: Simulink/Sinks
Search Results: (none)
Frequently Used
Display
Floating Scope
1
Out1
Scope
STOP
Stop Simulation
Terminator
untitled.mat
To File
simout
To Workspace
XY Graph


azcontorol1
File Edit View Display Diagram Simulation Analysis Code Tools Help
10.0
Normal
azcontorol1
azcontorol1
Step
Subtract
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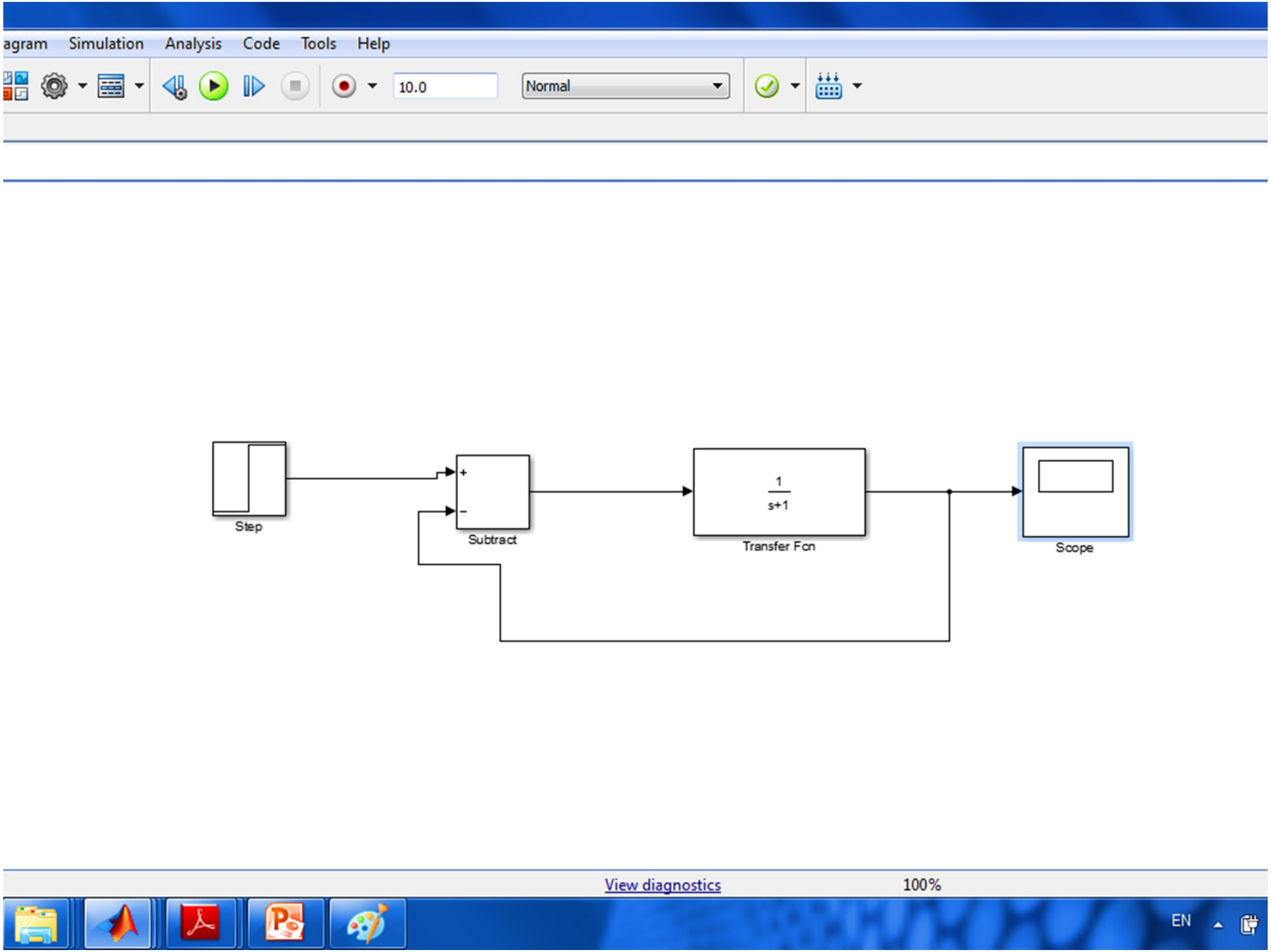
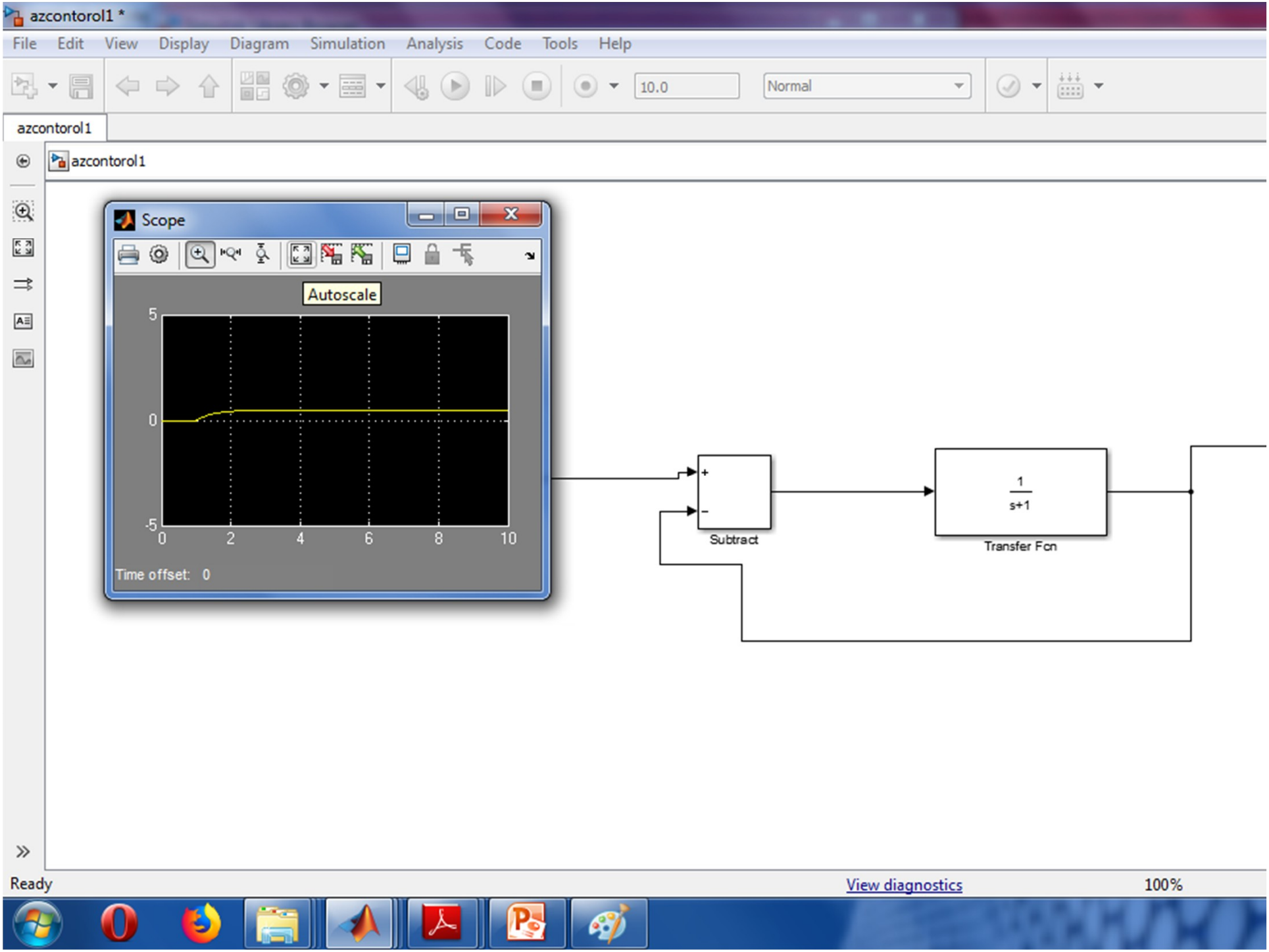
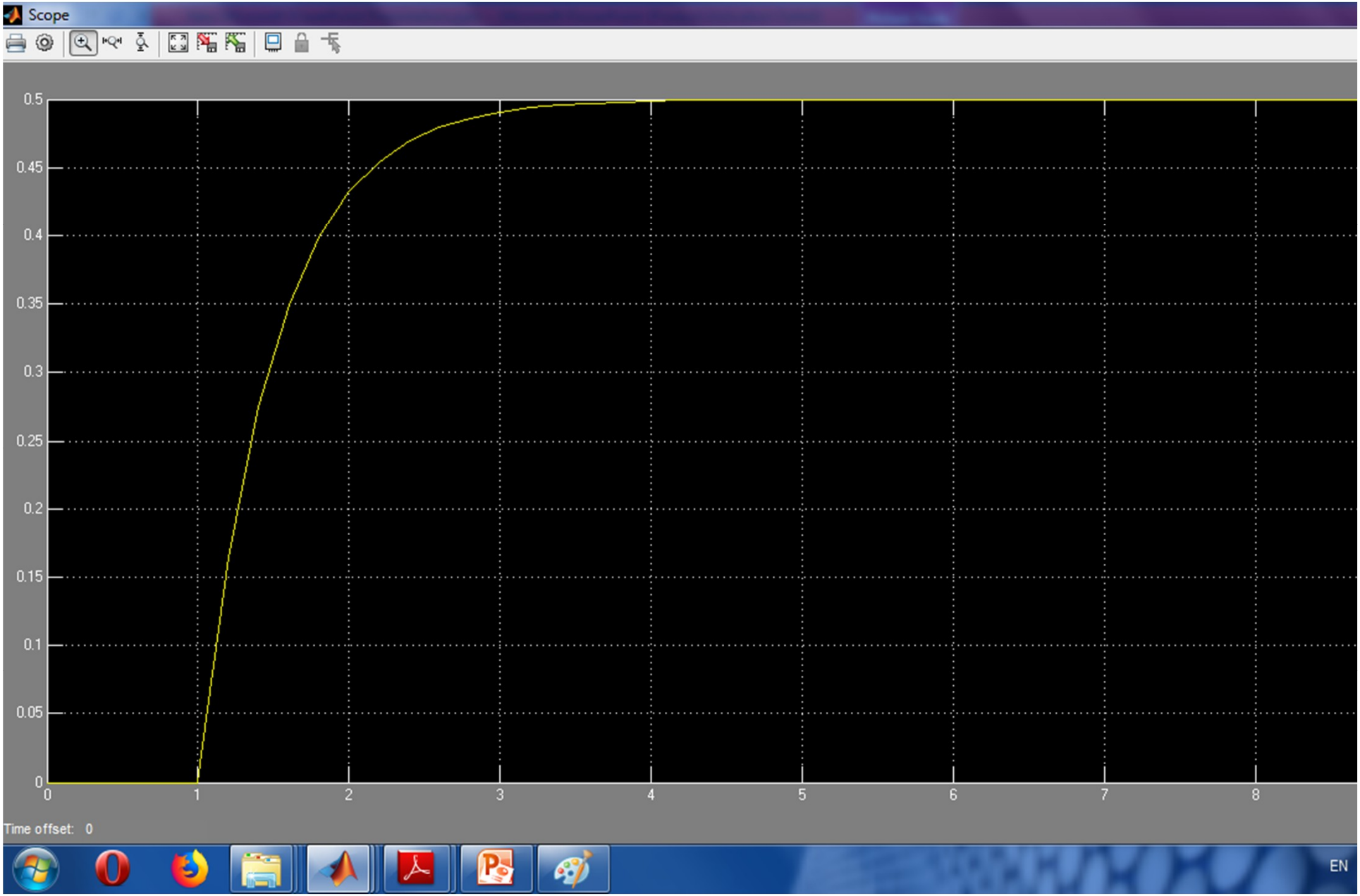
Transfer Fcn
Scope
Ready
100%
ode45
EN
10:10 AM
3/15/2020


agram
Simulation
Analysis
Code
Tools
Help
10.0
Normal
Step
Subtract
1
s+1
Transfer Fcn
Scope
View diagnostics
100%
EN


azcontorol1 *
File Edit View Display Diagram Simulation Analysis Code Tools Help
10.0
Normal
azcontorol1
azcontorol1
Scope
Autoscale
5
0
-5
0 2 4 6 8 10
Time offset: 0
+
-
Subtract
1
s+1
Transfer Fcn
Ready
View diagnostics
100%


Scope
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0
1
2
3
4
5
6
7
8
Time offset: 0
EN