

# TERM 프로젝트

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# 01 문제해결

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A값 구하기

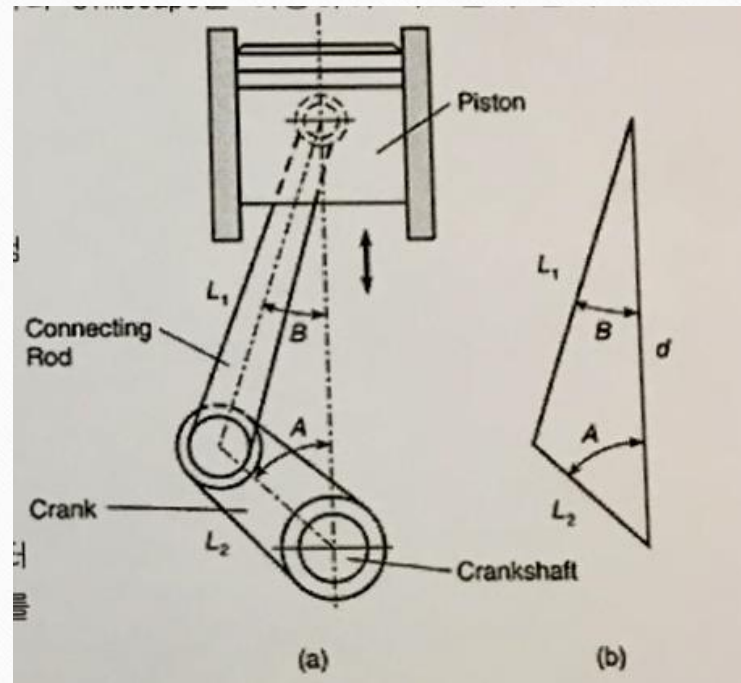
각속도( $\omega_0$ )를 적분

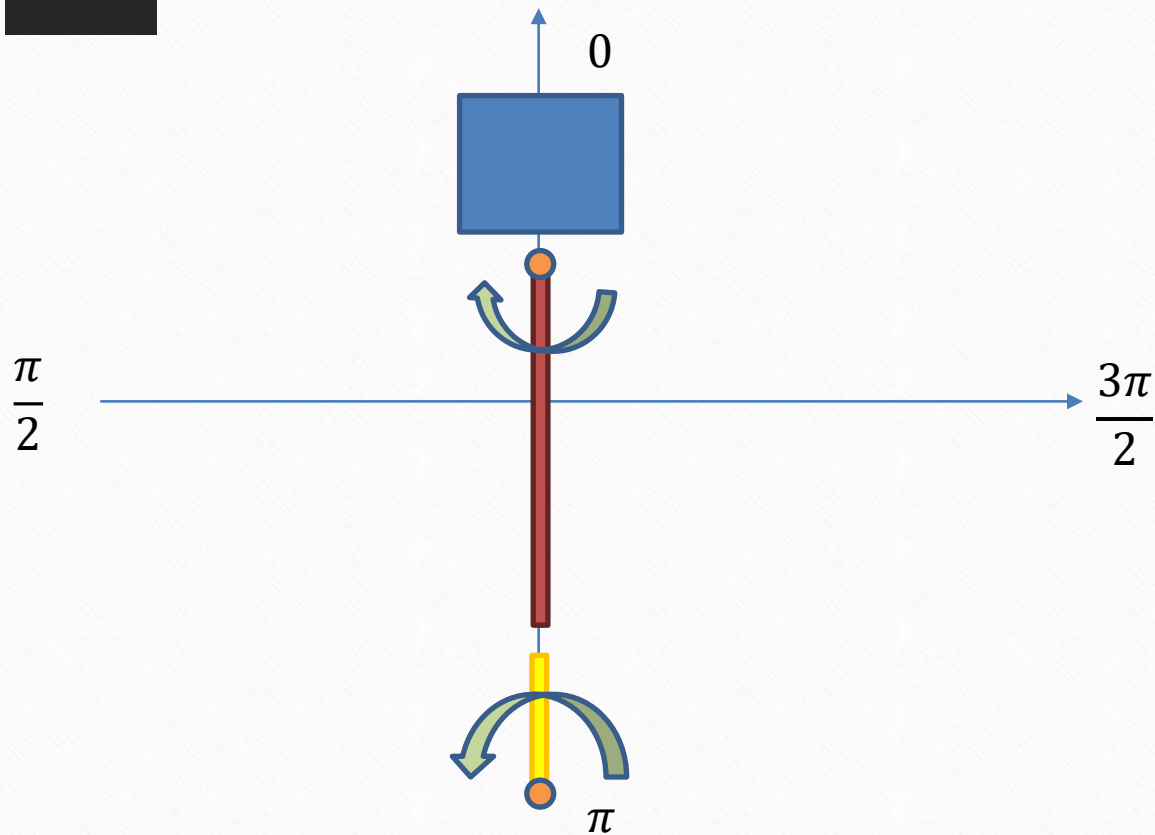
B값 구하기

$$\sin^{-1} \frac{L_2 \sin A}{L_1}$$

d값 구하기

$$L_2 \cos A + L_1 \cos B$$





## B값 구하기

1.  $L1$ 은  $\pi$ 부터 시작
2.  $L1$ 은  $L2$ 가  
반시계방향으로 돌 때  
시계방향 돌아야 됨

A값 구하기

각속도( $\omega_0$ )를 적분

B값 구하기

$$\left( \sin^{-1} \frac{L_2 \sin A}{L_1} \right) + \pi (-1)$$

d값 구하기

$$L_2 \cos A + L_1 \cos B$$

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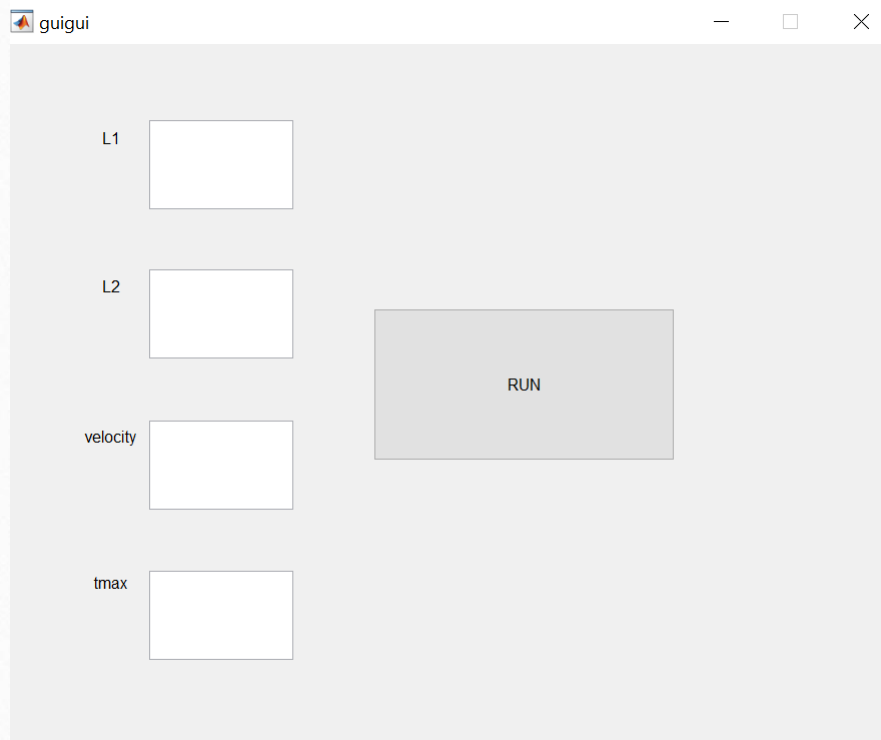
# 02<sub>GUI</sub>

## guigui.m

```
% --- Executes on button press in pushbutton1.  
function pushbutton1_Callback(hObject, eventdata, handles)  
% hObject    handle to pushbutton1 (see GCBO)  
% eventdata  reserved - to be defined in a future version of MATLAB  
% handles    structure with handles and user data (see GUIDATA)  
L1=str2double(get(handles.L1,'String'));  
L2=str2double(get(handles.L2,'String'));  
w0=str2double(get(handles.w0,'String'));  
tmax=str2double(get(handles.tmax,'String'));  
  
assignin('base','L1',L1);  
assignin('base','L2',L2);  
assignin('base','w0',w0);  
assignin('base','tmax',tmax);  
  
sim('simulinkexpl')
```



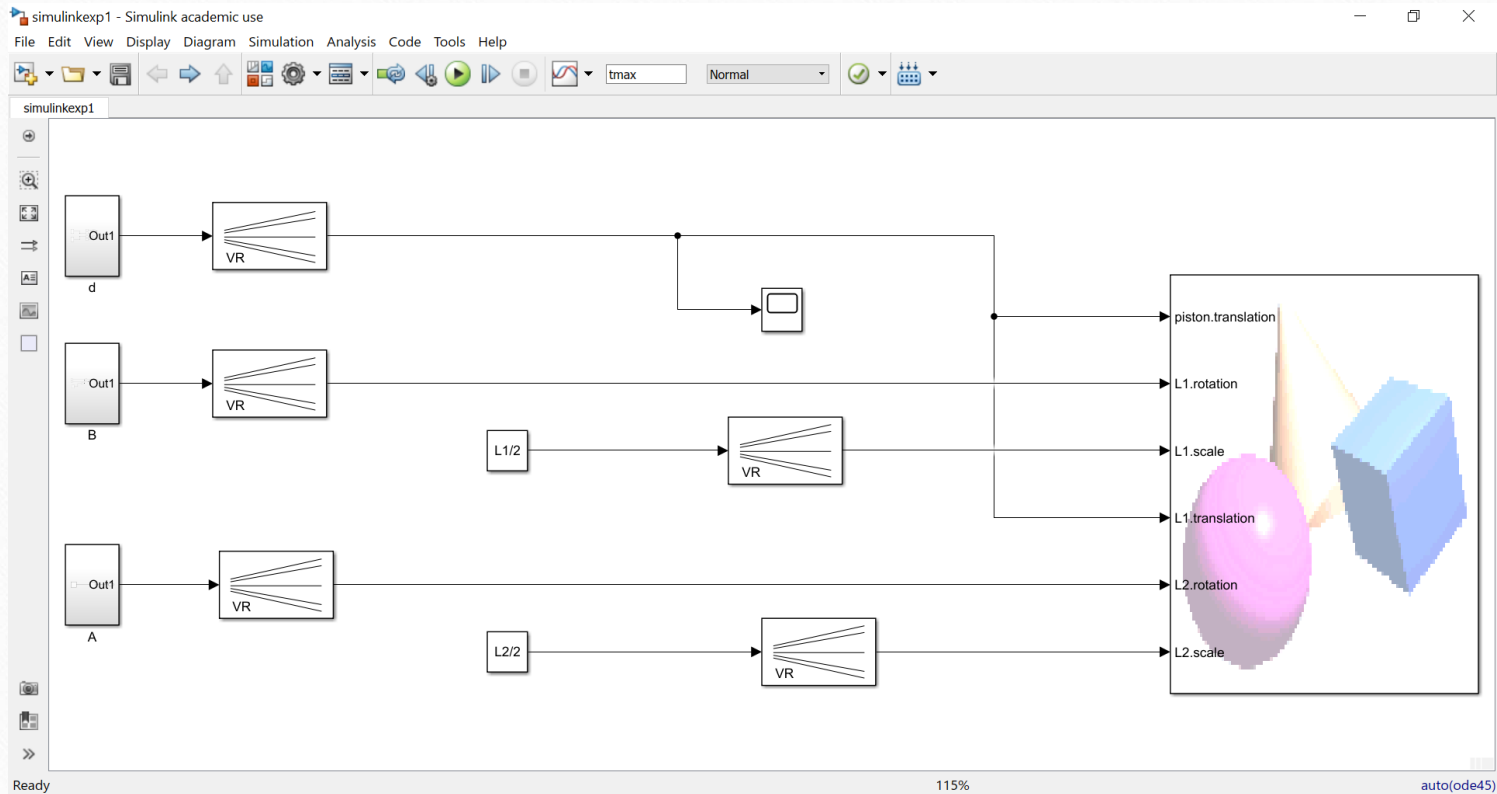
## 02 GUI



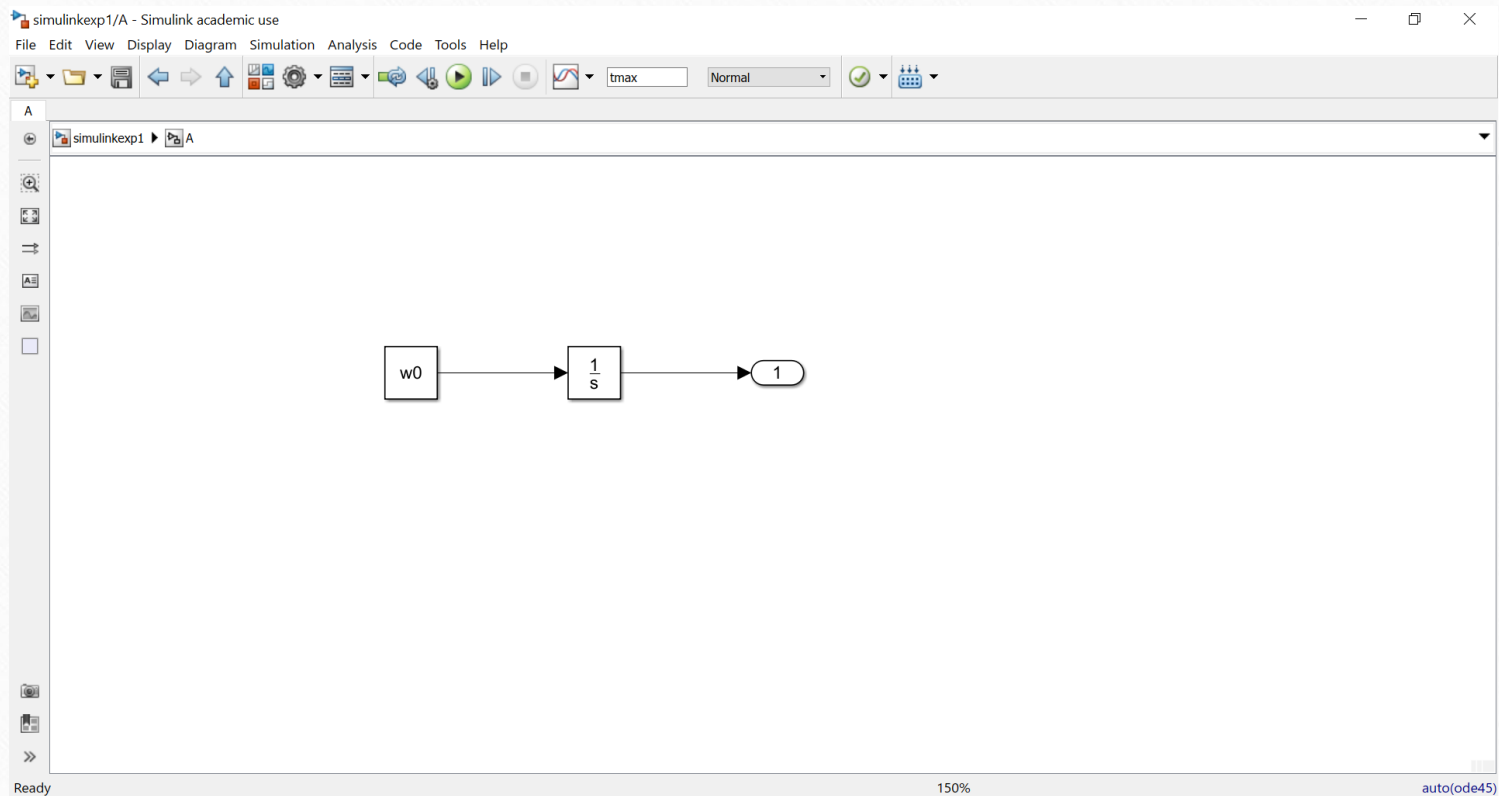
# 03 SIMULINK

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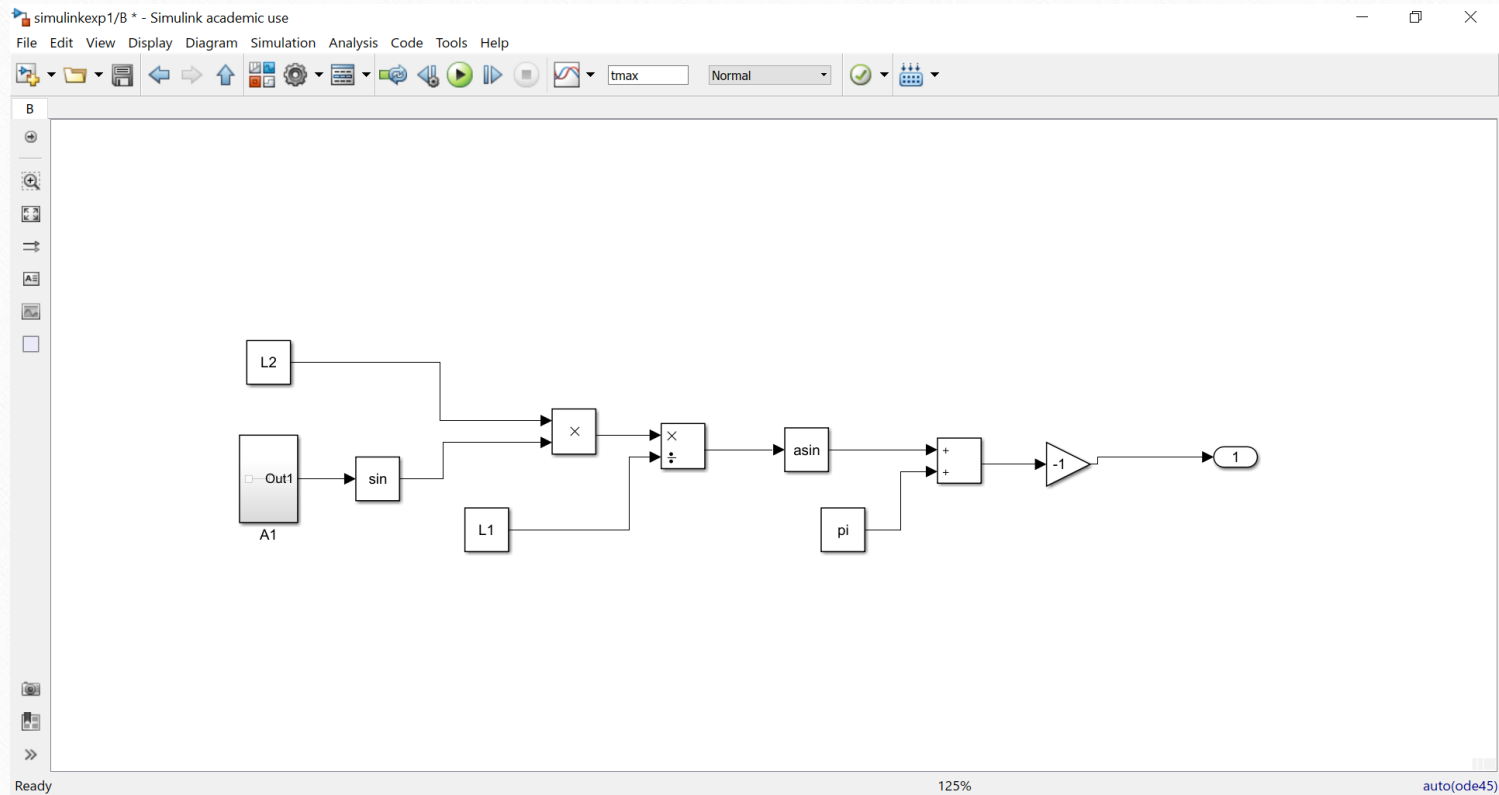
# 03 SIMULINK

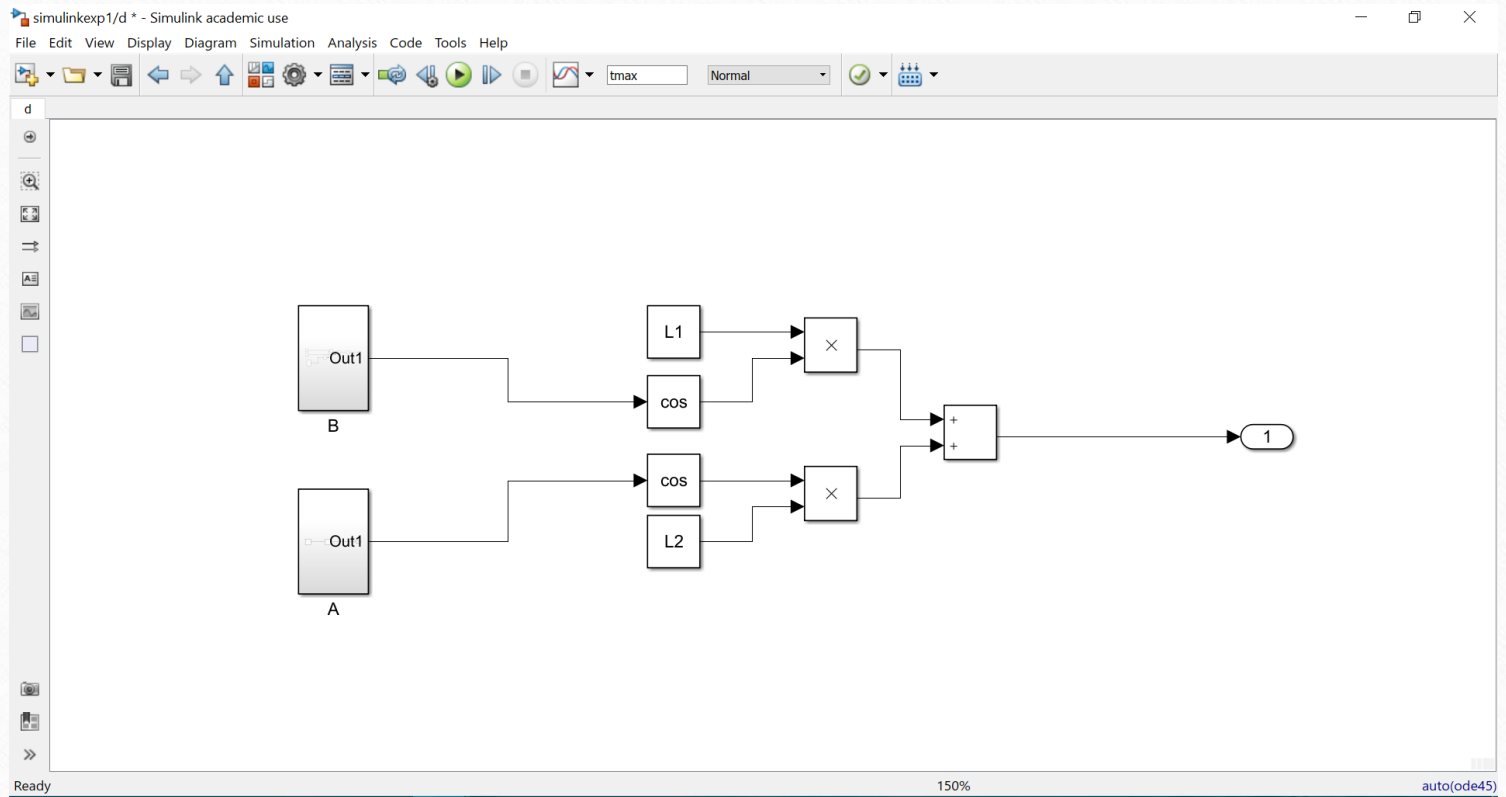


# 03 SIMULINK



# 03 SIMULINK

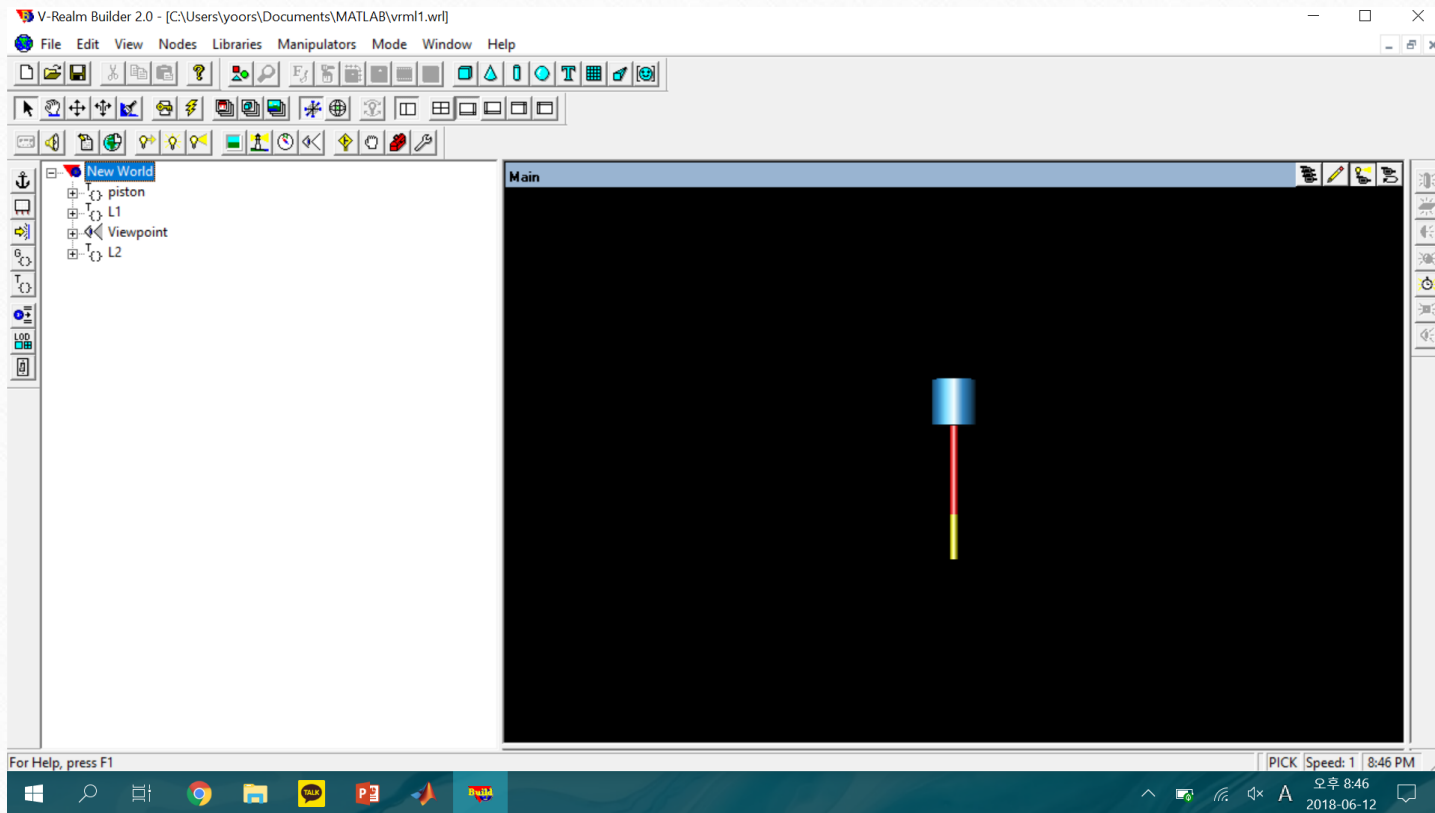




# 04<sub>3D VR</sub>

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# 04 3D VR







감사합니다

