**Graphical calculator GUI (basic & scientific)**

**Codes:**

**function zero\_Callback(hObject, eventdata, handles)**

OLDstring=get(handles.text1,'string');

NEWstring=('0');

textstring=strcat(OLDstring, NEWstring);

set(handles.text1,'string',textstring);

**function ln\_Callback(hObject, eventdata, handles)**

OLDstring=get(handles.text1,'string');

NEWstring=('log(');

textstring=strcat(OLDstring, NEWstring);

set(handles.text1,'string',textstring);

**function sine\_Callback(hObject, eventdata, handles)**

textstring=get(handles.text1,'string');

textstring=strcat(textstring,'sin(pi/180\*');

set(handles.text1,'string',textstring);

**function equal\_Callback(hObject, eventdata, handles)**

textstring=get(handles.text1,'string')

textstring=eval(textstring)

set(handles.text1,'string',textstring);

**function graph\_Callback(hObject, eventdata, handles)**

start=eval(get(handles.from,'String'));

by=eval(get(handles.by,'String'));

to=eval(get(handles.to,'String'));

x=start:by:to;

a=get(handles.equation,'String');

y=eval(get(handles.equation,'String'));

zoom on;

axes(handles.Figure)

plot(x,y);

**Example:**

(log(5)\*sqrt(4)+sin(pi/180\*90))

=4.2188

