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function varargout = Sustainable_Development(varargin)
% SUSTAINABLE_DEVELOPMENT MATLAB code for Sustainable_Development.fig
%     SUSTAINABLE_DEVELOPMENT, by itself, creates a new SUSTAINABLE_DEVELOPMENT or raises the
existing
%     singleton*.
%
%     H = SUSTAINABLE_DEVELOPMENT returns the handle to a new SUSTAINABLE_DEVELOPMENT or the handle
to
%     the existing singleton*.
%
%     SUSTAINABLE_DEVELOPMENT('CALLBACK', hObject,eventData,handles,...) calls the local
%     function named CALLBACK in SUSTAINABLE_DEVELOPMENT.M with the given input arguments.
%
%     SUSTAINABLE_DEVELOPMENT('Property','Value',...) creates a new SUSTAINABLE_DEVELOPMENT or
raises the
%     existing singleton*. Starting from the left, property value pairs are
%     applied to the GUI before Sustainable_Development_OpeningFcn gets called. An
%     unrecognized property name or invalid value makes property application
%     stop. All inputs are passed to Sustainable_Development_OpeningFcn via varargin.
%
%     *See GUI Options on GUIDE's Tools menu. Choose "GUI allows only one
%     instance to run (singleton)".
%
% See also: GUIDE, GUIDATA, GUIHANDLES
% Edit the above text to modify the response to help Sustainable_Development
% Last Modified by GUIDE v2.5 15-May-2024 16:13:58
% Begin initialization code - DO NOT EDIT
gui_Singleton = 1;
gui_State = struct('gui_Name',       mfilename, ...
                  'gui_Singleton',   gui_Singleton, ...
                  'gui_OpeningFcn', @Sustainable_Development_OpeningFcn, ...
                  'gui_OutputFcn',  @Sustainable_Development_OutputFcn, ...
                  'gui_LayoutFcn',   [], ...
                  'gui_Callback',    []);
if nargin && ischar(varargin{1})
    gui_State.gui_Callback = str2func(varargin{1});
end
if nargin
    [varargout{1:nargout}] = gui_mainfcn(gui_State, varargin{:});
else
    gui_mainfcn(gui_State, varargin{:});
end
% End initialization code - DO NOT EDIT
% --- Executes just before Sustainable_Development is made visible.
function Sustainable_Development_OpeningFcn(hObject, eventdata, handles, varargin)
% This function has no output args, see OutputFcn.
% hObject    handle to figure
% eventdata  reserved - to be defined in a future version of MATLAB
% handles     structure with handles and user data (see GUIDATA)
% varargin    command line arguments to Sustainable_Development (see VARARGIN)
% Choose default command line output for Sustainable_Development
handles.output = hObject;

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handles = initializeGUIComponents(handles);
% Update handles structure
guidata(hObject, handles);
% --- Outputs from this function are returned to the command line.
function varargout = Sustainable_Development_OutputFcn(hObject, eventdata, handles)
% varargout cell array for returning output args (see VARARGOUT);
% hObject handle to figure
% eventdata reserved - to be defined in a future version of MATLAB
% handles structure with handles and user data (see GUIDATA)
% Get default command line output from handles structure
varargout{1} = handles.output;
% --- Executes on button press in pushbutton3.
function pushbutton3_Callback(hObject, eventdata, handles)
% hObject handle to pushbutton3 (see GCBO)
% eventdata reserved - to be defined in a future version of MATLAB
% handles structure with handles and user data (see GUIDATA)
h = msgbox('网络连接状态正常', '网络连通性测试', 'help');
jMsgBox = h.JavaFrame.getFigurePanelContainer.getComponent(0).getTopLevelAncestor;
jMsgBox.setAlwaysOnTop(true);
figure(handles.figure1);
drawnow; pause(1);
capture_and_draw_msgbox(h, true, 'pushbutton3', 'uipanel1', true, 'tu11.png');
% --- Executes on button press in pushbutton4.
function pushbutton4_Callback(hObject, eventdata, handles)
% hObject handle to pushbutton4 (see GCBO)
% eventdata reserved - to be defined in a future version of MATLAB
% handles structure with handles and user data (see GUIDATA)
set(gcf, 'visible', 'off');
function edit1_Callback(hObject, eventdata, handles)
% hObject handle to edit1 (see GCBO)
% eventdata reserved - to be defined in a future version of MATLAB
% handles structure with handles and user data (see GUIDATA)
% Hints: get(hObject, 'String') returns contents of edit1 as text
% str2double(get(hObject, 'String')) returns contents of edit1 as a double
% --- Executes during object creation, after setting all properties.
function edit1_CreateFcn(hObject, eventdata, handles)
% hObject handle to edit1 (see GCBO)
% eventdata reserved - to be defined in a future version of MATLAB
% handles empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
% See ISPC and COMPUTER.
if ispc && isequal(get(hObject, 'BackgroundColor'), get(0, 'defaultUicontrolBackgroundColor'))
    set(hObject, 'BackgroundColor', 'white');
end
function edit8_Callback(~, eventdata, handles)
% hObject handle to edit8 (see GCBO)
% eventdata reserved - to be defined in a future version of MATLAB
% handles structure with handles and user data (see GUIDATA)
% Hints: get(hObject, 'String') returns contents of edit8 as text
% str2double(get(hObject, 'String')) returns contents of edit8 as a double
% --- Executes during object creation, after setting all properties.
function edit8_CreateFcn(hObject, eventdata, handles)

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% hObject    handle to edit8 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles     empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%           See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function edit9_Callback(hObject, eventdata, handles)
% hObject    handle to edit9 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles     structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit9 as text
%         str2double(get(hObject,'String')) returns contents of edit9 as a double
% --- Executes during object creation, after setting all properties.
function edit9_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit9 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles     empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%           See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

% --- Executes on selection change in popupmenu3.
function popupmenu3_Callback(hObject, eventdata, handles)
% hObject    handle to popupmenu3 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles     structure with handles and user data (see GUIDATA)
% Hints: contents = cellstr(get(hObject,'String')) returns popupmenu3 contents as cell array
%         contents{get(hObject,'Value')} returns selected item from popupmenu3
% --- Executes during object creation, after setting all properties.
function popupmenu3_CreateFcn(hObject, eventdata, handles)
% hObject    handle to popupmenu3 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles     empty - handles not created until after all CreateFcns called
% Hint: popupmenu controls usually have a white background on Windows.
%           See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

% --- Executes on button press in checkbox1.
function checkbox1_Callback(hObject, eventdata, handles)
% hObject    handle to checkbox1 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles     structure with handles and user data (see GUIDATA)
% Hint: get(hObject,'Value') returns toggle state of checkbox1
% --- Executes on button press in checkbox2.
function checkbox2_Callback(hObject, eventdata, handles)
% hObject    handle to checkbox2 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles     structure with handles and user data (see GUIDATA)

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% Hint: get(hObject,'Value') returns toggle state of checkbox2
% --- Executes on button press in checkbox3.
function checkbox3_Callback(hObject, eventdata, handles)
% hObject    handle to checkbox3 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hint: get(hObject,'Value') returns toggle state of checkbox3
function edit10_Callback(hObject, eventdata, handles)
% hObject    handle to edit10 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit10 as text
%        str2double(get(hObject,'String')) returns contents of edit10 as a double
% --- Executes during object creation, after setting all properties.
function edit10_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit10 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%          See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function edit11_Callback(hObject, eventdata, handles)
function edit8_Callback(~, eventdata, handles)
% hObject    handle to edit8 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit8 as text
%        str2double(get(hObject,'String')) returns contents of edit8 as a double
% --- Executes during object creation, after setting all properties.
function edit8_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit8 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%          See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function edit9_Callback(hObject, eventdata, handles)
% hObject    handle to edit9 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit9 as text
%        str2double(get(hObject,'String')) returns contents of edit9 as a double
% --- Executes during object creation, after setting all properties.
function edit9_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit9 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%          See ISPC and COMPUTER.

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if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
% --- Executes on selection change in popupmenu3.
function popupmenu3_Callback(hObject, eventdata, handles)
% hObject    handle to popupmenu3 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: contents = cellstr(get(hObject,'String')) returns popupmenu3 contents as cell array
%          contents{get(hObject,'Value')} returns selected item from popupmenu3
% --- Executes during object creation, after setting all properties.
function popupmenu3_CreateFcn(hObject, eventdata, handles)
% hObject    handle to popupmenu3 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: popupmenu controls usually have a white background on Windows.
%          See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
% --- Executes on button press in checkbox1.
function checkbox1_Callback(hObject, eventdata, handles)
% hObject    handle to checkbox1 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hint: get(hObject,'Value') returns toggle state of checkbox1
% --- Executes on button press in checkbox2.
function checkbox2_Callback(hObject, eventdata, handles)
% hObject    handle to checkbox2 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hint: get(hObject,'Value') returns toggle state of checkbox2
% --- Executes on button press in checkbox3.
function checkbox3_Callback(hObject, eventdata, handles)
% hObject    handle to checkbox3 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hint: get(hObject,'Value') returns toggle state of checkbox3
function edit10_Callback(hObject, eventdata, handles)
% hObject    handle to edit10 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit10 as text
%          str2double(get(hObject,'String')) returns contents of edit10 as a double
% --- Executes during object creation, after setting all properties.
function edit10_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit10 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%          See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))

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        set(hObject,'BackgroundColor','white');
    end
    function edit11_Callback(hObject, eventdata, handles)
    % hObject    handle to edit11 (see GCBO)
    % eventdata  reserved - to be defined in a future version of MATLAB
    % handles    structure with handles and user data (see GUIDATA)
    % Hints: get(hObject,'String') returns contents of edit11 as text
    %          str2double(get(hObject,'String')) returns contents of edit11 as a double
    % --- Executes during object creation, after setting all properties.
    function edit11_CreateFcn(hObject, eventdata, handles)
    % hObject    handle to edit11 (see GCBO)
    % eventdata  reserved - to be defined in a future version of MATLAB
    % handles    empty - handles not created until after all CreateFcns called
    % Hint: edit controls usually have a white background on Windows.
    %          See ISPC and COMPUTER.
    if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
        set(hObject,'BackgroundColor','white');
    end
    function edit12_Callback(hObject, eventdata, handles)
    % hObject    handle to edit12 (see GCBO)
    % eventdata  reserved - to be defined in a future version of MATLAB
    % handles    structure with handles and user data (see GUIDATA)
    % Hints: get(hObject,'String') returns contents of edit12 as text
    %          str2double(get(hObject,'String')) returns contents of edit12 as a double
    % --- Executes during object creation, after setting all properties.
    function edit12_CreateFcn(hObject, eventdata, handles)
    % hObject    handle to edit12 (see GCBO)
    % eventdata  reserved - to be defined in a future version of MATLAB
    % handles    empty - handles not created until after all CreateFcns called
    % Hint: edit controls usually have a white background on Windows.
    %          See ISPC and COMPUTER.
    if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
        set(hObject,'BackgroundColor','white');
    end
    % --- Executes on selection change in popupmenu4.
    function popupmenu4_Callback(hObject, eventdata, handles)
    % hObject    handle to popupmenu4 (see GCBO)
    % eventdata  reserved - to be defined in a future version of MATLAB
    % handles    structure with handles and user data (see GUIDATA)
    % Hints: contents = cellstr(get(hObject,'String')) returns popupmenu4 contents as cell array
    %          contents{get(hObject,'Value')} returns selected item from popupmenu4
    % --- Executes during object creation, after setting all properties.
    function popupmenu4_CreateFcn(hObject, eventdata, handles)
    % hObject    handle to popupmenu4 (see GCBO)
    % eventdata  reserved - to be defined in a future version of MATLAB
    % handles    empty - handles not created until after all CreateFcns called
    % Hint: popupmenu controls usually have a white background on Windows.
    %          See ISPC and COMPUTER.
    if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
        set(hObject,'BackgroundColor','white');
    end
    % --- Executes on slider movement.

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function slider1_Callback(hObject, eventdata, handles)
% hObject    handle to slider1 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'Value') returns position of slider
%         get(hObject,'Min') and get(hObject,'Max') to determine range of slider
% --- Executes during object creation, after setting all properties.
function slider1_CreateFcn(hObject, eventdata, handles)
% hObject    handle to slider1 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: slider controls usually have a light gray background.
if isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor',[.9 .9 .9]);
end

function edit13_Callback(hObject, eventdata, handles)
% hObject    handle to edit13 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit13 as text
%         str2double(get(hObject,'String')) returns contents of edit13 as a double
% --- Executes during object creation, after setting all properties.
function edit13_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit13 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%         See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function edit7_Callback(hObject, eventdata, handles)
% hObject    handle to edit7 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit7 as text
%         str2double(get(hObject,'String')) returns contents of edit7 as a double
% --- Executes during object creation, after setting all properties.
function edit7_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit7 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%         See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function edit8_Callback(~, eventdata, handles)
% hObject    handle to edit8 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit8 as text

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%      str2double(get(hObject,'String')) returns contents of edit8 as a double
% --- Executes during object creation, after setting all properties.
function edit8_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit8 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%      See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function edit9_Callback(hObject, eventdata, handles)
% hObject    handle to edit9 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit9 as text
%      str2double(get(hObject,'String')) returns contents of edit9 as a double
% --- Executes during object creation, after setting all properties.
function edit9_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit9 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%      See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
% --- Executes on selection change in popupmenu3.
function popupmenu3_Callback(hObject, eventdata, handles)
% hObject    handle to popupmenu3 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: contents = cellstr(get(hObject,'String')) returns popupmenu3 contents as cell array
%      contents{get(hObject,'Value')} returns selected item from popupmenu3
% --- Executes during object creation, after setting all properties.
function popupmenu3_CreateFcn(hObject, eventdata, handles)
% hObject    handle to popupmenu3 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: popupmenu controls usually have a white background on Windows.
%      See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
% --- Executes on button press in checkbox1.
function checkbox1_Callback(hObject, eventdata, handles)
% hObject    handle to checkbox1 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hint: get(hObject,'Value') returns toggle state of checkbox1
% --- Executes on button press in checkbox2.
function checkbox2_Callback(hObject, eventdata, handles)

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% hObject    handle to checkbox2 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hint: get(hObject,'Value') returns toggle state of checkbox2
% --- Executes on button press in checkbox3.
function checkbox3_Callback(hObject, eventdata, handles)
% hObject    handle to checkbox3 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hint: get(hObject,'Value') returns toggle state of checkbox3
function edit10_Callback(hObject, eventdata, handles)
% hObject    handle to edit10 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit10 as text
%        str2double(get(hObject,'String')) returns contents of edit10 as a double
% --- Executes during object creation, after setting all properties.
function edit10_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit10 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%        See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function edit11_Callback(hObject, eventdata, handles)
% hObject    handle to edit11 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit11 as text
%        str2double(get(hObject,'String')) returns contents of edit11 as a double
% --- Executes during object creation, after setting all properties.
function edit11_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit11 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%        See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function edit12_Callback(hObject, eventdata, handles)
% hObject    handle to edit12 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit12 as text
%        str2double(get(hObject,'String')) returns contents of edit12 as a double
% --- Executes during object creation, after setting all properties.
function edit12_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit12 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB

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% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%          See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function varargout = Six_Robot(varargin)
% ZSJXYGLJSRJ MATLAB code for zsjxygljsrj.fig
% ZSJXYGLJSRJ, by itself, creates a new ZSJXYGLJSRJ or raises the existing
% singleton*.
%
% H = ZSJXYGLJSRJ returns the handle to a new ZSJXYGLJSRJ or the handle to
% the existing singleton*.
%
% ZSJXYGLJSRJ('CALLBACK',hObject,eventData,handles,...) calls the local
% function named CALLBACK in ZSJXYGLJSRJ.M with the given input arguments.
%
% ZSJXYGLJSRJ('Property','Value',...) creates a new ZSJXYGLJSRJ or raises the
% existing singleton*. Starting from the left, property value pairs are
% applied to the GUI before zsjxygljsrj_OpeningFcn gets called. An
% unrecognized property name or invalid value makes property application
% stop. All inputs are passed to zsjxygljsrj_OpeningFcn via varargin.
%
% *See GUI Options on GUIDE's Tools menu. Choose "GUI allows only one
% instance to run (singleton)".
%
% See also: GUIDE, GUIDATA, GUIHANDLES
% Edit the above text to modify the response to help zsjxygljsrj
% Last Modified by GUIDE v2.5 04-Jun-2019 22:58:17
% Begin initialization code - DO NOT EDIT
gui_Singleton = 1;
gui_State = struct('gui_Name',       mfilename, ...
                  'gui_Singleton',   gui_Singleton, ...
                  'gui_OpeningFcn', @zsjxygljsrj_OpeningFcn, ...
                  'gui_OutputFcn',  @zsjxygljsrj_OutputFcn, ...
                  'gui_LayoutFcn',  [] , ...
                  'gui_Callback',    []);
if nargin && ischar(varargin{1})
    gui_State.gui_Callback = str2func(varargin{1});
end
if nargout
    [varargout{1:nargout}] = gui_mainfcn(gui_State, varargin{:});
else
    gui_mainfcn(gui_State, varargin{:});
end
% End initialization code - DO NOT EDIT
% --- Executes just before zsjxygljsrj is made visible.
function zsjxygljsrj_OpeningFcn(hObject, eventdata, handles, varargin)
% This function has no output args, see OutputFcn.
% hObject    handle to figure
% eventdata  reserved - to be defined in a future version of MATLAB
% handles     structure with handles and user data (see GUIDATA)

```

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% varargin    command line arguments to zsjxygljsrj (see VARARGIN)
% Choose default command line output for zsjxygljsrj
handles.output = hObject;
% Update handles structure
guidata(hObject, handles);
% UIWAIT makes zsjxygljsrj wait for user response (see UIRESUME)
% uiwait(handles.figure1);
% --- Outputs from this function are returned to the command line.
function varargout = zsjxygljsrj_OutputFcn(hObject, eventdata, handles)
% varargout    cell array for returning output args (see VARARGOUT);
% hObject     handle to figure
% eventdata   reserved - to be defined in a future version of MATLAB
% handles     structure with handles and user data (see GUIDATA)
% Get default command line output from handles structure
varargout{1} = handles.output;
% --- Executes on selection change in popupmenu1.
function popupmenu1_Callback(hObject, eventdata, handles)
% hObject     handle to popupmenu1 (see GCBO)
% eventdata   reserved - to be defined in a future version of MATLAB
% handles     structure with handles and user data (see GUIDATA)
% Hints: contents = cellstr(get(hObject,'String')) returns popupmenu1 contents as cell array
%           contents{get(hObject,'Value')} returns selected item from popupmenu1
% --- Executes during object creation, after setting all properties.
function popupmenu1_CreateFcn(hObject, eventdata, handles)
% hObject     handle to popupmenu1 (see GCBO)
% eventdata   reserved - to be defined in a future version of MATLAB
% handles     empty - handles not created until after all CreateFcns called
% Hint: popupmenu controls usually have a white background on Windows.
%           See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function edit1_Callback(hObject, eventdata, handles)
% hObject     handle to edit1 (see GCBO)
% eventdata   reserved - to be defined in a future version of MATLAB
% handles     structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit1 as text
%           str2double(get(hObject,'String')) returns contents of edit1 as a double
% --- Executes during object creation, after setting all properties.
function edit1_CreateFcn(hObject, eventdata, handles)
% hObject     handle to edit1 (see GCBO)
% eventdata   reserved - to be defined in a future version of MATLAB
% handles     empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%           See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function edit2_Callback(hObject, eventdata, handles)
% hObject     handle to edit2 (see GCBO)
% eventdata   reserved - to be defined in a future version of MATLAB
% handles     structure with handles and user data (see GUIDATA)

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```

% Hints: get(hObject,'String') returns contents of edit12 as text
%         str2double(get(hObject,'String')) returns contents of edit12 as a double
% --- Executes during object creation, after setting all properties.
function edit2_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit12 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%         See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function edit3_Callback(hObject, eventdata, handles)
% hObject    handle to edit13 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit13 as text
%         str2double(get(hObject,'String')) returns contents of edit13 as a double
% --- Executes during object creation, after setting all properties.
function edit3_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit13 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%         See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function edit4_Callback(hObject, eventdata, handles)
% hObject    handle to edit14 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit14 as text
%         str2double(get(hObject,'String')) returns contents of edit14 as a double
% --- Executes during object creation, after setting all properties.
function edit4_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit14 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%         See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function edit5_Callback(hObject, eventdata, handles)
% hObject    handle to edit15 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit15 as text
%         str2double(get(hObject,'String')) returns contents of edit15 as a double
% --- Executes during object creation, after setting all properties.
function edit5_CreateFcn(hObject, eventdata, handles)

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% hObject    handle to edit15 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%           See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function edit6_Callback(hObject, eventdata, handles)
% hObject    handle to edit6 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit6 as text
%        str2double(get(hObject,'String')) returns contents of edit6 as a double
% --- Executes during object creation, after setting all properties.
function edit6_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit6 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%           See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function edit7_Callback(hObject, eventdata, handles)
% hObject    handle to edit7 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit7 as text
%        str2double(get(hObject,'String')) returns contents of edit7 as a double
% --- Executes during object creation, after setting all properties.
function edit7_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit7 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%           See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function edit8_Callback(hObject, eventdata, handles)
% hObject    handle to edit8 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit8 as text
%        str2double(get(hObject,'String')) returns contents of edit8 as a double
% --- Executes during object creation, after setting all properties.
function edit8_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit8 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.

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%      See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function edit9_Callback(hObject, eventdata, handles)
% hObject      handle to edit9 (see GCBO)
% eventdata    reserved - to be defined in a future version of MATLAB
% handles      structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit9 as text
%      str2double(get(hObject,'String')) returns contents of edit9 as a double
% --- Executes during object creation, after setting all properties.
function edit9_CreateFcn(hObject, eventdata, handles)
% hObject      handle to edit9 (see GCBO)
% eventdata    reserved - to be defined in a future version of MATLAB
% handles      empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%      See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

% --- Executes on button press in pushbutton1.
function edit14_Callback(hObject, eventdata, handles)
% hObject      handle to edit14 (see GCBO)
% eventdata    reserved - to be defined in a future version of MATLAB
% handles      structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit14 as text
%      str2double(get(hObject,'String')) returns contents of edit14 as a double
% --- Executes during object creation, after setting all properties.
function edit14_CreateFcn(hObject, eventdata, handles)
% hObject      handle to edit14 (see GCBO)
% eventdata    reserved - to be defined in a future version of MATLAB
% handles      empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%      See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function edit16_Callback(hObject, eventdata, handles)
% hObject      handle to edit16 (see GCBO)
% eventdata    reserved - to be defined in a future version of MATLAB
% handles      structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit16 as text
%      str2double(get(hObject,'String')) returns contents of edit16 as a double
% --- Executes during object creation, after setting all properties.
function edit16_CreateFcn(hObject, eventdata, handles)
% hObject      handle to edit16 (see GCBO)
% eventdata    reserved - to be defined in a future version of MATLAB
% handles      empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%      See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

```

```

end
function edit17_Callback(hObject, eventdata, handles)
% hObject    handle to edit17 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit17 as text
%         str2double(get(hObject,'String')) returns contents of edit17 as a double
% --- Executes during object creation, after setting all properties.
function edit17_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit17 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%         See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function edit31_Callback(hObject, eventdata, handles)
% hObject    handle to edit6 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit6 as text
%         str2double(get(hObject,'String')) returns contents of edit6 as a double
% --- Executes during object creation, after setting all properties.
function edit31_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit6 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%         See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function edit32_Callback(hObject, eventdata, handles)
% hObject    handle to edit7 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit7 as text
%         str2double(get(hObject,'String')) returns contents of edit7 as a double
% --- Executes during object creation, after setting all properties.
function edit32_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit7 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%         See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function edit33_Callback(hObject, eventdata, handles)
% hObject    handle to edit8 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB

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% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit8 as text
%          str2double(get(hObject,'String')) returns contents of edit8 as a double
% --- Executes during object creation, after setting all properties.
function edit33_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit8 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%          See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
% --- Executes on button press in checkbox1.
function checkbox1_Callback(hObject, eventdata, handles)
% hObject    handle to checkbox1 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hint: get(hObject,'Value') returns toggle state of checkbox1
% --- Executes on button press in radiobutton1.
function radiobutton1_Callback(hObject, eventdata, handles)
% hObject    handle to radiobutton1 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hint: get(hObject,'Value') returns toggle state of radiobutton1
% --- Executes on slider movement.
function slider1_Callback(hObject, eventdata, handles)
% hObject    handle to slider1 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'Value') returns position of slider
%          get(hObject,'Min') and get(hObject,'Max') to determine range of slider
% --- Executes during object creation, after setting all properties.
function slider1_CreateFcn(hObject, eventdata, handles)
% hObject    handle to slider1 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: slider controls usually have a light gray background.
if isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor',[.9 .9 .9]);
end
% --- Executes on selection change in popupmenu1.
function popupmenu1_Callback(hObject, eventdata, handles)
% hObject    handle to popupmenu1 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: contents = cellstr(get(hObject,'String')) returns popupmenu1 contents as cell array
%          contents{get(hObject,'Value')} returns selected item from popupmenu1
% --- Executes during object creation, after setting all properties.
function popupmenu1_CreateFcn(hObject, eventdata, handles)
% hObject    handle to popupmenu1 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB

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% handles    empty - handles not created until after all CreateFcns called
% Hint: popupmenu controls usually have a white background on Windows.
%           See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function edit34_Callback(hObject, eventdata, handles)
% hObject    handle to edit9 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit9 as text
%         str2double(get(hObject,'String')) returns contents of edit9 as a double
% --- Executes during object creation, after setting all properties.
function edit34_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit9 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%           See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function edit35_Callback(hObject, eventdata, handles)
% hObject    handle to edit12 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit12 as text
%         str2double(get(hObject,'String')) returns contents of edit12 as a double
% --- Executes during object creation, after setting all properties.
function edit35_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit12 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%           See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function edit20_Callback(hObject, eventdata, handles)
% hObject    handle to edit13 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit13 as text
%         str2double(get(hObject,'String')) returns contents of edit13 as a double
% --- Executes during object creation, after setting all properties.
function edit20_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit13 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%           See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))

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        set(hObject, 'BackgroundColor', 'white');
    end

    function edit36_Callback(hObject, eventdata, handles)
    % hObject    handle to edit14 (see GCBO)
    % eventdata  reserved - to be defined in a future version of MATLAB
    % handles    structure with handles and user data (see GUIDATA)
    % Hints: get(hObject, 'String') returns contents of edit14 as text
    %          str2double(get(hObject, 'String')) returns contents of edit14 as a double
    % --- Executes during object creation, after setting all properties.
    function edit36_CreateFcn(hObject, eventdata, handles)
    % hObject    handle to edit14 (see GCBO)
    % eventdata  reserved - to be defined in a future version of MATLAB
    % handles    empty - handles not created until after all CreateFcns called
    % Hint: edit controls usually have a white background on Windows.
    %          See ISPC and COMPUTER.
    if ispc && isequal(get(hObject, 'BackgroundColor'), get(0, 'defaultUicontrolBackgroundColor'))
        set(hObject, 'BackgroundColor', 'white');
    end

    function edit37_Callback(hObject, eventdata, handles)
    % hObject    handle to edit15 (see GCBO)
    % eventdata  reserved - to be defined in a future version of MATLAB
    % handles    structure with handles and user data (see GUIDATA)
    % Hints: get(hObject, 'String') returns contents of edit15 as text
    %          str2double(get(hObject, 'String')) returns contents of edit15 as a double
    % --- Executes during object creation, after setting all properties.
    function edit37_CreateFcn(hObject, eventdata, handles)
    % hObject    handle to edit15 (see GCBO)
    % eventdata  reserved - to be defined in a future version of MATLAB
    % handles    empty - handles not created until after all CreateFcns called
    % Hint: edit controls usually have a white background on Windows.
    %          See ISPC and COMPUTER.
    if ispc && isequal(get(hObject, 'BackgroundColor'), get(0, 'defaultUicontrolBackgroundColor'))
        set(hObject, 'BackgroundColor', 'white');
    end

    function edit38_Callback(hObject, eventdata, handles)
    % hObject    handle to edit16 (see GCBO)
    % eventdata  reserved - to be defined in a future version of MATLAB
    % handles    structure with handles and user data (see GUIDATA)
    % Hints: get(hObject, 'String') returns contents of edit16 as text
    %          str2double(get(hObject, 'String')) returns contents of edit16 as a double
    % --- Executes during object creation, after setting all properties.
    function edit38_CreateFcn(hObject, eventdata, handles)
    % hObject    handle to edit16 (see GCBO)
    % eventdata  reserved - to be defined in a future version of MATLAB
    % handles    empty - handles not created until after all CreateFcns called
    % Hint: edit controls usually have a white background on Windows.
    %          See ISPC and COMPUTER.
    if ispc && isequal(get(hObject, 'BackgroundColor'), get(0, 'defaultUicontrolBackgroundColor'))
        set(hObject, 'BackgroundColor', 'white');
    end

    function edit21_Callback(hObject, eventdata, handles)
    % hObject    handle to edit11 (see GCBO)

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% eventdata reserved - to be defined in a future version of MATLAB
% handles structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit11 as text
%         str2double(get(hObject,'String')) returns contents of edit11 as a double
% --- Executes during object creation, after setting all properties.
function edit21_CreateFcn(hObject, eventdata, handles)
% hObject handle to edit11 (see GCBO)
% eventdata reserved - to be defined in a future version of MATLAB
% handles empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%         See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function edit22_Callback(hObject, eventdata, handles)
% hObject handle to edit12 (see GCBO)
% eventdata reserved - to be defined in a future version of MATLAB
% handles structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit12 as text
%         str2double(get(hObject,'String')) returns contents of edit12 as a double
% --- Executes during object creation, after setting all properties.
function edit22_CreateFcn(hObject, eventdata, handles)
% hObject handle to edit12 (see GCBO)
% eventdata reserved - to be defined in a future version of MATLAB
% handles empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%         See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function edit23_Callback(hObject, eventdata, handles)
% hObject handle to edit13 (see GCBO)
% eventdata reserved - to be defined in a future version of MATLAB
% handles structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit13 as text
%         str2double(get(hObject,'String')) returns contents of edit13 as a double
% --- Executes during object creation, after setting all properties.
function edit23_CreateFcn(hObject, eventdata, handles)
% hObject handle to edit13 (see GCBO)
% eventdata reserved - to be defined in a future version of MATLAB
% handles empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%         See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function edit24_Callback(hObject, eventdata, handles)
% hObject handle to edit14 (see GCBO)
% eventdata reserved - to be defined in a future version of MATLAB
% handles structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit14 as text
%         str2double(get(hObject,'String')) returns contents of edit14 as a double

```

```
% --- Executes during object creation, after setting all properties.
function edit24_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit14 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%         See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function edit25_Callback(hObject, eventdata, handles)
% hObject    handle to edit15 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit15 as text
%        str2double(get(hObject,'String')) returns contents of edit15 as a double
% --- Executes during object creation, after setting all properties.
function edit25_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit15 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%         See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

% --- Executes on button press in pushbutton8.
function pushbutton8_Callback(hObject, eventdata, handles)
% hObject    handle to pushbutton8 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% --- Executes on button press in pushbutton9.
function pushbutton9_Callback(hObject, eventdata, handles)
% hObject    handle to pushbutton9 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% --- Executes on button press in pushbutton1.
function pushbutton10_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)
% --- Executes on button press in pushbutton2.
function pushbutton11_Callback(hObject, eventdata, handles)
% hObject    handle to pushbutton2 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% --- Executes on button press in pushbutton3.
function edit49_Callback(hObject, eventdata, handles)
% hObject    handle to edit49 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit49 as text
```

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%         str2double(get(hObject,'String')) returns contents of edit49 as a double
% --- Executes during object creation, after setting all properties.
function edit49_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit49 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%         See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function edit50_Callback(hObject, eventdata, handles)
% hObject    handle to edit50 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit50 as text
%         str2double(get(hObject,'String')) returns contents of edit50 as a double
% --- Executes during object creation, after setting all properties.
function edit50_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit50 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%         See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function edit51_Callback(hObject, eventdata, handles)
% hObject    handle to edit51 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit51 as text
%         str2double(get(hObject,'String')) returns contents of edit51 as a double
% --- Executes during object creation, after setting all properties.
function edit51_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit51 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%         See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function edit52_Callback(hObject, eventdata, handles)
% hObject    handle to edit52 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit52 as text
%         str2double(get(hObject,'String')) returns contents of edit52 as a double
% --- Executes during object creation, after setting all properties.
function edit52_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit52 (see GCBO)

```

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% eventdata reserved - to be defined in a future version of MATLAB
% handles empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
% See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function edit53_Callback(hObject, eventdata, handles)
% hObject handle to edit53 (see GCBO)
% eventdata reserved - to be defined in a future version of MATLAB
% handles structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit53 as text
% str2double(get(hObject,'String')) returns contents of edit53 as a double
% --- Executes during object creation, after setting all properties.
function edit53_CreateFcn(hObject, eventdata, handles)
% hObject handle to edit53 (see GCBO)
% eventdata reserved - to be defined in a future version of MATLAB
% handles empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
% See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function edit41_Callback(hObject, eventdata, handles)
% hObject handle to edit41 (see GCBO)
% eventdata reserved - to be defined in a future version of MATLAB
% handles structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit41 as text
% str2double(get(hObject,'String')) returns contents of edit41 as a double
% --- Executes during object creation, after setting all properties.
function edit41_CreateFcn(hObject, eventdata, handles)
% hObject handle to edit41 (see GCBO)
% eventdata reserved - to be defined in a future version of MATLAB
% handles empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
% See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function edit42_Callback(hObject, eventdata, handles)
% hObject handle to edit42 (see GCBO)
% eventdata reserved - to be defined in a future version of MATLAB
% handles structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit42 as text
% str2double(get(hObject,'String')) returns contents of edit42 as a double
% --- Executes during object creation, after setting all properties.
function edit42_CreateFcn(hObject, eventdata, handles)
% hObject handle to edit42 (see GCBO)
% eventdata reserved - to be defined in a future version of MATLAB
% handles empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
% See ISPC and COMPUTER.

```

```

if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function edit43_Callback(hObject, eventdata, handles)
% hObject    handle to edit43 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit43 as text
%          str2double(get(hObject,'String')) returns contents of edit43 as a double
% --- Executes during object creation, after setting all properties.
function edit43_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit43 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%          See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function edit44_Callback(hObject, eventdata, handles)
% hObject    handle to edit44 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit44 as text
%          str2double(get(hObject,'String')) returns contents of edit44 as a double
% --- Executes during object creation, after setting all properties.
function edit44_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit44 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%          See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function edit45_Callback(hObject, eventdata, handles)
% hObject    handle to edit45 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit45 as text
%          str2double(get(hObject,'String')) returns contents of edit45 as a double
% --- Executes during object creation, after setting all properties.
function edit45_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit45 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%          See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function edit61_Callback(hObject, eventdata, handles)

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% hObject    handle to edit61 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles     structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit61 as text
%          str2double(get(hObject,'String')) returns contents of edit61 as a double
% --- Executes during object creation, after setting all properties.
function edit61_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit61 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles     empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%          See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function edit62_Callback(hObject, eventdata, handles)
% hObject    handle to edit62 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles     structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit62 as text
%          str2double(get(hObject,'String')) returns contents of edit62 as a double
% --- Executes during object creation, after setting all properties.
function edit62_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit62 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles     empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%          See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function edit63_Callback(hObject, eventdata, handles)
% hObject    handle to edit63 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles     structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit63 as text
%          str2double(get(hObject,'String')) returns contents of edit63 as a double
% --- Executes during object creation, after setting all properties.
function edit63_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit63 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles     empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%          See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function edit87_Callback(hObject, eventdata, handles)
% hObject    handle to edit21 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles     structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit21 as text

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%         str2double(get(hObject,'String')) returns contents of edit21 as a double
% --- Executes during object creation, after setting all properties.
function edit87_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit21 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%         See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function edit88_Callback(hObject, eventdata, handles)
% hObject    handle to edit22 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit22 as text
%         str2double(get(hObject,'String')) returns contents of edit22 as a double
% --- Executes during object creation, after setting all properties.
function edit88_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit22 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%         See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function edit79_Callback(hObject, eventdata, handles)
% hObject    handle to edit51 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit51 as text
%         str2double(get(hObject,'String')) returns contents of edit51 as a double
% --- Executes during object creation, after setting all properties.
function edit79_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit51 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%         See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function edit80_Callback(hObject, eventdata, handles)
% hObject    handle to edit52 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit52 as text
%         str2double(get(hObject,'String')) returns contents of edit52 as a double
% --- Executes during object creation, after setting all properties.
function edit80_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit52 (see GCBO)

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% eventdata reserved - to be defined in a future version of MATLAB
% handles empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
% See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function edit81_Callback(hObject, eventdata, handles)
% hObject handle to edit53 (see GCBO)
% eventdata reserved - to be defined in a future version of MATLAB
% handles structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit53 as text
% str2double(get(hObject,'String')) returns contents of edit53 as a double
% --- Executes during object creation, after setting all properties.
function edit81_CreateFcn(hObject, eventdata, handles)
% hObject handle to edit53 (see GCBO)
% eventdata reserved - to be defined in a future version of MATLAB
% handles empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
% See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function edit54_Callback(hObject, eventdata, handles)
% hObject handle to edit54 (see GCBO)
% eventdata reserved - to be defined in a future version of MATLAB
% handles structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit54 as text
% str2double(get(hObject,'String')) returns contents of edit54 as a double
% --- Executes during object creation, after setting all properties.
function edit54_CreateFcn(hObject, eventdata, handles)
% hObject handle to edit54 (see GCBO)
% eventdata reserved - to be defined in a future version of MATLAB
% handles empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
% See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function edit55_Callback(hObject, eventdata, handles)
% hObject handle to edit55 (see GCBO)
% eventdata reserved - to be defined in a future version of MATLAB
% handles structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit55 as text
% str2double(get(hObject,'String')) returns contents of edit55 as a double
% --- Executes during object creation, after setting all properties.
function edit55_CreateFcn(hObject, eventdata, handles)
% hObject handle to edit55 (see GCBO)
% eventdata reserved - to be defined in a future version of MATLAB
% handles empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
% See ISPC and COMPUTER.

```

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if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function edit74_Callback(hObject, eventdata, handles)
% hObject    handle to edit31 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit31 as text
%          str2double(get(hObject,'String')) returns contents of edit31 as a double
% --- Executes during object creation, after setting all properties.
function edit74_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit31 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%          See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function edit75_Callback(hObject, eventdata, handles)
% hObject    handle to edit32 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit32 as text
%          str2double(get(hObject,'String')) returns contents of edit32 as a double
% --- Executes during object creation, after setting all properties.
function edit75_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit32 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%          See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function edit76_Callback(hObject, eventdata, handles)
% hObject    handle to edit33 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit33 as text
%          str2double(get(hObject,'String')) returns contents of edit33 as a double
% --- Executes during object creation, after setting all properties.
function edit76_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit33 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%          See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function edit77_Callback(hObject, eventdata, handles)

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% hObject    handle to edit34 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit34 as text
%          str2double(get(hObject,'String')) returns contents of edit34 as a double
% --- Executes during object creation, after setting all properties.
function edit77_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit34 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%          See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function edit78_Callback(hObject, eventdata, handles)
% hObject    handle to edit35 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit35 as text
%          str2double(get(hObject,'String')) returns contents of edit35 as a double
% --- Executes during object creation, after setting all properties.
function edit78_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit35 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%          See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function edit64_Callback(hObject, eventdata, handles)
% hObject    handle to edit21 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit21 as text
%          str2double(get(hObject,'String')) returns contents of edit21 as a double
% --- Executes during object creation, after setting all properties.
function edit64_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit21 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%          See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function edit65_Callback(hObject, eventdata, handles)
% hObject    handle to edit22 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit22 as text

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%         str2double(get(hObject,'String')) returns contents of edit22 as a double
% --- Executes during object creation, after setting all properties.
function edit65_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit22 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles     empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%         See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function edit66_Callback(hObject, eventdata, handles)
% hObject    handle to edit23 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles     structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit23 as text
%         str2double(get(hObject,'String')) returns contents of edit23 as a double
% --- Executes during object creation, after setting all properties.
function edit66_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit23 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles     empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%         See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function edit67_Callback(hObject, eventdata, handles)
% hObject    handle to edit24 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles     structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit24 as text
%         str2double(get(hObject,'String')) returns contents of edit24 as a double
% --- Executes during object creation, after setting all properties.
function edit67_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit24 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles     empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%         See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function edit68_Callback(hObject, eventdata, handles)
% hObject    handle to edit25 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles     structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit25 as text
%         str2double(get(hObject,'String')) returns contents of edit25 as a double
% --- Executes during object creation, after setting all properties.
function edit68_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit25 (see GCBO)

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% eventdata reserved - to be defined in a future version of MATLAB
% handles empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
% See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function edit2_Callback(hObject, eventdata, handles)
% hObject handle to edit2 (see GCBO)
% eventdata reserved - to be defined in a future version of MATLAB
% handles structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit2 as text
% str2double(get(hObject,'String')) returns contents of edit2 as a double
% --- Executes during object creation, after setting all properties.
function edit2_CreateFcn(hObject, eventdata, handles)
% hObject handle to edit2 (see GCBO)
% eventdata reserved - to be defined in a future version of MATLAB
% handles empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
% See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function edit3_Callback(hObject, eventdata, handles)
% hObject handle to edit3 (see GCBO)
% eventdata reserved - to be defined in a future version of MATLAB
% handles structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit3 as text
% str2double(get(hObject,'String')) returns contents of edit3 as a double
% --- Executes during object creation, after setting all properties.
function edit3_CreateFcn(hObject, eventdata, handles)
% hObject handle to edit3 (see GCBO)
% eventdata reserved - to be defined in a future version of MATLAB
% handles empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
% See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function edit4_Callback(hObject, eventdata, handles)
% hObject handle to edit4 (see GCBO)
% eventdata reserved - to be defined in a future version of MATLAB
% handles structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit4 as text
% str2double(get(hObject,'String')) returns contents of edit4 as a double
% --- Executes during object creation, after setting all properties.
function edit4_CreateFcn(hObject, eventdata, handles)
% hObject handle to edit4 (see GCBO)
% eventdata reserved - to be defined in a future version of MATLAB
% handles empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
% See ISPC and COMPUTER.

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if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function initx_Callback(hObject, eventdata, handles)
% hObject    handle to initx (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of initx as text
%          str2double(get(hObject,'String')) returns contents of initx as a double
% --- Executes during object creation, after setting all properties.
function initx_CreateFcn(hObject, eventdata, handles)
% hObject    handle to initx (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%          See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function inity_Callback(hObject, eventdata, handles)
% hObject    handle to inity (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of inity as text
%          str2double(get(hObject,'String')) returns contents of inity as a double
% --- Executes during object creation, after setting all properties.
function inity_CreateFcn(hObject, eventdata, handles)
% hObject    handle to inity (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%          See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function targx_Callback(hObject, eventdata, handles)
% hObject    handle to targx (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of targx as text
%          str2double(get(hObject,'String')) returns contents of targx as a double
% --- Executes during object creation, after setting all properties.
function targx_CreateFcn(hObject, eventdata, handles)
% hObject    handle to targx (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%          See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function targy_Callback(hObject, eventdata, handles)

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% hObject    handle to targy (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of targy as text
%          str2double(get(hObject,'String')) returns contents of targy as a double
% --- Executes during object creation, after setting all properties.
function targy_CreateFcn(hObject, eventdata, handles)
% hObject    handle to targy (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%          See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function targz_Callback(hObject, eventdata, handles)
% hObject    handle to targz (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of targz as text
%          str2double(get(hObject,'String')) returns contents of targz as a double
% --- Executes during object creation, after setting all properties.
function targz_CreateFcn(hObject, eventdata, handles)
% hObject    handle to targz (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%          See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function initz_Callback(hObject, eventdata, handles)
% hObject    handle to initz (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of initz as text
%          str2double(get(hObject,'String')) returns contents of initz as a double
% --- Executes during object creation, after setting all properties.
function initz_CreateFcn(hObject, eventdata, handles)
% hObject    handle to initz (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%          See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function num_Callback(hObject, eventdata, handles)
% hObject    handle to num (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of num as text

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%         str2double(get(hObject,'String')) returns contents of num as a double
% --- Executes during object creation, after setting all properties.
function num_CreateFcn(hObject, eventdata, handles)
% hObject    handle to num (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%         See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function xx_Callback(hObject, eventdata, handles)
% hObject    handle to xx (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of xx as text
%         str2double(get(hObject,'String')) returns contents of xx as a double
% --- Executes during object creation, after setting all properties.
function xx_CreateFcn(hObject, eventdata, handles)
% hObject    handle to xx (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%         See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function yy_Callback(hObject, eventdata, handles)
% hObject    handle to yy (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of yy as text
%         str2double(get(hObject,'String')) returns contents of yy as a double
% --- Executes during object creation, after setting all properties.
function yy_CreateFcn(hObject, eventdata, handles)
% hObject    handle to yy (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%         See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function zz_Callback(hObject, eventdata, handles)
% hObject    handle to zz (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of zz as text
%         str2double(get(hObject,'String')) returns contents of zz as a double
% --- Executes during object creation, after setting all properties.
function zz_CreateFcn(hObject, eventdata, handles)
% hObject    handle to zz (see GCBO)

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% eventdata reserved - to be defined in a future version of MATLAB
% handles empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
% See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function rx_Callback(hObject, eventdata, handles)
% hObject handle to rx (see GCBO)
% eventdata reserved - to be defined in a future version of MATLAB
% handles structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of rx as text
% str2double(get(hObject,'String')) returns contents of rx as a double
% --- Executes during object creation, after setting all properties.
function rx_CreateFcn(hObject, eventdata, handles)
% hObject handle to rx (see GCBO)
% eventdata reserved - to be defined in a future version of MATLAB
% handles empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
% See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function ry_Callback(hObject, eventdata, handles)
% hObject handle to ry (see GCBO)
% eventdata reserved - to be defined in a future version of MATLAB
% handles structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of ry as text
% str2double(get(hObject,'String')) returns contents of ry as a double
% --- Executes during object creation, after setting all properties.
function ry_CreateFcn(hObject, eventdata, handles)
% hObject handle to ry (see GCBO)
% eventdata reserved - to be defined in a future version of MATLAB
% handles empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
% See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function rz_Callback(hObject, eventdata, handles)
% hObject handle to rz (see GCBO)
% eventdata reserved - to be defined in a future version of MATLAB
% handles structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of rz as text
% str2double(get(hObject,'String')) returns contents of rz as a double
% --- Executes during object creation, after setting all properties.
function rz_CreateFcn(hObject, eventdata, handles)
% hObject handle to rz (see GCBO)
% eventdata reserved - to be defined in a future version of MATLAB
% handles empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
% See ISPC and COMPUTER.

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if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function editshow_Callback(hObject, eventdata, handles)
% hObject    handle to editshow (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of editshow as text
%          str2double(get(hObject,'String')) returns contents of editshow as a double
% --- Executes during object creation, after setting all properties.
function editshow_CreateFcn(hObject, eventdata, handles)
% hObject    handle to editshow (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%          See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function editn1_Callback(hObject, eventdata, handles)
% hObject    handle to editn1 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of editn1 as text
%          str2double(get(hObject,'String')) returns contents of editn1 as a double
% --- Executes during object creation, after setting all properties.
function editn1_CreateFcn(hObject, eventdata, handles)
% hObject    handle to editn1 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%          See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function editn2_Callback(hObject, eventdata, handles)
% hObject    handle to editn2 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of editn2 as text
%          str2double(get(hObject,'String')) returns contents of editn2 as a double
% --- Executes during object creation, after setting all properties.
function editn2_CreateFcn(hObject, eventdata, handles)
% hObject    handle to editn2 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%          See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function editn3_Callback(hObject, eventdata, handles)

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% hObject    handle to editn3 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of editn3 as text
%          str2double(get(hObject,'String')) returns contents of editn3 as a double
% --- Executes during object creation, after setting all properties.
function editn3_CreateFcn(hObject, eventdata, handles)
% hObject    handle to editn3 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%          See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function editn4_Callback(hObject, eventdata, handles)
% hObject    handle to editn4 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of editn4 as text
%          str2double(get(hObject,'String')) returns contents of editn4 as a double
% --- Executes during object creation, after setting all properties.
function editn4_CreateFcn(hObject, eventdata, handles)
% hObject    handle to editn4 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%          See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function editn5_Callback(hObject, eventdata, handles)
% hObject    handle to editn5 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of editn5 as text
%          str2double(get(hObject,'String')) returns contents of editn5 as a double
% --- Executes during object creation, after setting all properties.
function editn5_CreateFcn(hObject, eventdata, handles)
% hObject    handle to editn5 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%          See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function editn6_Callback(hObject, eventdata, handles)
% hObject    handle to editn6 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of editn6 as text

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%      str2double(get(hObject,'String')) returns contents of editn6 as a double
% --- Executes during object creation, after setting all properties.
function editn6_CreateFcn(hObject, eventdata, handles)
% hObject    handle to editn6 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%      See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
% --- Executes on button press in pushbutton2.
function edit20_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit20 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%      See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function edit21_Callback(hObject, eventdata, handles)
% hObject    handle to edit21 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit21 as text
%      str2double(get(hObject,'String')) returns contents of edit21 as a double
% --- Executes during object creation, after setting all properties.
function edit21_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit21 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%      See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function edit22_Callback(hObject, eventdata, handles)
% hObject    handle to edit7 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit7 as text
%      str2double(get(hObject,'String')) returns contents of edit7 as a double
% --- Executes during object creation, after setting all properties.
function edit22_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit7 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%      See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

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end
function edit24_Callback(hObject, eventdata, handles)
% hObject    handle to edit24 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit24 as text
%         str2double(get(hObject,'String')) returns contents of edit24 as a double
% --- Executes during object creation, after setting all properties.
function edit24_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit24 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%         See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function edit25_Callback(hObject, eventdata, handles)
% hObject    handle to edit25 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit25 as text
%         str2double(get(hObject,'String')) returns contents of edit25 as a double
% --- Executes during object creation, after setting all properties.
function edit25_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit25 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%         See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function edit26_Callback(hObject, eventdata, handles)
% hObject    handle to edit12 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit12 as text
%         str2double(get(hObject,'String')) returns contents of edit12 as a double
% --- Executes during object creation, after setting all properties.
function edit26_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit12 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%         See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function edit27_Callback(hObject, eventdata, handles)
% hObject    handle to edit9 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB

```

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% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit9 as text
%          str2double(get(hObject,'String')) returns contents of edit9 as a double
% --- Executes during object creation, after setting all properties.
function edit27_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit9 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%          See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function edit28_Callback(hObject, eventdata, handles)
% hObject    handle to edit11 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit11 as text
%          str2double(get(hObject,'String')) returns contents of edit11 as a double
% --- Executes during object creation, after setting all properties.
function edit28_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit11 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%          See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function edit1_Callback(hObject, eventdata, handles)
% hObject    handle to edit1 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit1 as text
%          str2double(get(hObject,'String')) returns contents of edit1 as a double
% --- Executes during object creation, after setting all properties.
function edit1_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit1 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%          See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function edit5_Callback(hObject, eventdata, handles)
% hObject    handle to edit5 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit5 as text
%          str2double(get(hObject,'String')) returns contents of edit5 as a double
% --- Executes during object creation, after setting all properties.

```

```

function edit5_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit5 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%           See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function edit4_Callback(hObject, eventdata, handles)
% hObject    handle to edit4 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit4 as text
%         str2double(get(hObject,'String')) returns contents of edit4 as a double
% --- Executes during object creation, after setting all properties.
function edit4_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit4 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%           See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function edit32_Callback(hObject, eventdata, handles)
% hObject    handle to edit10 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit10 as text
%         str2double(get(hObject,'String')) returns contents of edit10 as a double
% --- Executes during object creation, after setting all properties.
function edit32_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit10 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%           See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function edit33_Callback(hObject, eventdata, handles)
% hObject    handle to edit8 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit8 as text
%         str2double(get(hObject,'String')) returns contents of edit8 as a double
% --- Executes during object creation, after setting all properties.
function edit33_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit8 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called

```



```

% Hint: edit controls usually have a white background on Windows.
%      See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function edit6_Callback(hObject, eventdata, handles)
% hObject    handle to edit6 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit6 as text
%      str2double(get(hObject,'String')) returns contents of edit6 as a double
% --- Executes during object creation, after setting all properties.
function edit6_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit6 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%      See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function edit2_Callback(hObject, eventdata, handles)
% hObject    handle to edit2 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit2 as text
%      str2double(get(hObject,'String')) returns contents of edit2 as a double
% --- Executes during object creation, after setting all properties.
function edit2_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit2 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%      See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

function edit36_Callback(hObject, eventdata, handles)
% hObject    handle to edit36 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit36 as text
%      str2double(get(hObject,'String')) returns contents of edit36 as a double
% --- Executes during object creation, after setting all properties.
function edit36_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit36 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%      See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

```

```

end
% --- Executes on mouse press over axes background.
function axes1_ButtonDownFcn(hObject, eventdata, handles)
% hObject    handle to axes1 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
axes(handles.axes1)
function edit38_Callback(hObject, eventdata, handles)
% hObject    handle to edit38 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit38 as text
%        str2double(get(hObject,'String')) returns contents of edit38 as a double
% --- Executes during object creation, after setting all properties.
function edit38_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit38 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%         See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
% --- Executes on button press in pushbutton14.
function pushbutton17_Callback(hObject, eventdata, handles)
% hObject    handle to pushbutton17 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% --- Executes on button press in pushbutton18.
% --- Executes on mouse press over axes background.
function axes2_ButtonDownFcn(hObject, eventdata, handles)
axes(handles.axes2)
% hObject    handle to axes2 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
function edit40_Callback(hObject, eventdata, handles)
% hObject    handle to edit4 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit4 as text
%        str2double(get(hObject,'String')) returns contents of edit4 as a double
% --- Executes during object creation, after setting all properties.
function edit40_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit4 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%         See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function edit41_Callback(hObject, eventdata, handles)

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% hObject    handle to edit6 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles     structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit6 as text
%          str2double(get(hObject,'String')) returns contents of edit6 as a double
% --- Executes during object creation, after setting all properties.
function edit41_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit6 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles     empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%          See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function edit42_Callback(hObject, eventdata, handles)
% hObject    handle to edit8 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles     structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit8 as text
%          str2double(get(hObject,'String')) returns contents of edit8 as a double
% --- Executes during object creation, after setting all properties.
function edit42_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit8 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles     empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%          See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function edit43_Callback(hObject, eventdata, handles)
% hObject    handle to edit10 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles     structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit10 as text
%          str2double(get(hObject,'String')) returns contents of edit10 as a double
% --- Executes during object creation, after setting all properties.
function edit43_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit10 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles     empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%          See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function edit44_Callback(hObject, eventdata, handles)
% hObject    handle to edit12 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles     structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit12 as text

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%         str2double(get(hObject,'String')) returns contents of edit12 as a double
% --- Executes during object creation, after setting all properties.
function edit44_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit12 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%         See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function edit5_Callback(hObject, eventdata, handles)
% hObject    handle to edit5 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit5 as text
%         str2double(get(hObject,'String')) returns contents of edit5 as a double
% --- Executes during object creation, after setting all properties.
function edit5_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit5 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%         See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function edit6_Callback(hObject, eventdata, handles)
% hObject    handle to edit6 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit6 as text
%         str2double(get(hObject,'String')) returns contents of edit6 as a double
% --- Executes during object creation, after setting all properties.
function edit6_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit6 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
%         See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
function edit7_Callback(hObject, eventdata, handles)
% hObject    handle to edit7 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: get(hObject,'String') returns contents of edit7 as text
%         str2double(get(hObject,'String')) returns contents of edit7 as a double
% --- Executes during object creation, after setting all properties.
function edit7_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit7 (see GCBO)

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% eventdata reserved - to be defined in a future version of MATLAB
% handles empty - handles not created until after all CreateFcns called
% Hint: edit controls usually have a white background on Windows.
% See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
% --- Executes on button press in radiobutton2.
function radiobutton2_Callback(hObject, eventdata, handles)
% hObject handle to radiobutton2 (see GCBO)
% eventdata reserved - to be defined in a future version of MATLAB
% handles structure with handles and user data (see GUIDATA)
% Hint: get(hObject,'Value') returns toggle state of radiobutton2
% --- Executes on button press in radiobutton3.
function radiobutton3_Callback(hObject, eventdata, handles)
% hObject handle to radiobutton3 (see GCBO)
% eventdata reserved - to be defined in a future version of MATLAB
% handles structure with handles and user data (see GUIDATA)
% Hint: get(hObject,'Value') returns toggle state of radiobutton3
function handles = initializeGUIComponents(handles)
global ELEMENT_TOP;
ELEMENT_TOP = 300;
set(handles.text26, 'String', ' 土地资源可持续发展利用分析软件');
handles.uipanel2.Title = '土地资源利用范围管理';
handles.uipanel3.Title = '土地资源利用设置';
handles.uipanel4.Title = '土地资源保护措施管理';
handles.uipanel5.Title = '土地资源参数设置';
handles.uipanel6.Title = '土地资源利用效果评估';
set(handles.pushbutton8, 'String', '确认选择');
set(handles.pushbutton9, 'String', '保存设置');
set(handles.pushbutton10, 'String', '保存设置');
set(handles.pushbutton11, 'String', '保存设置');
set(handles.pushbutton12, 'String', '利用效果');
set(handles.pushbutton5, 'String', '导入土地资源利用流程图');
set(handles.pushbutton6, 'String', '绘制土地资源利用效果分析三维图');
set(handles.pushbutton7, 'String', '绘制土地资源利用效果评估分析柱状图');
unit_content = {'', '', '', '', '%'};
text_contents1 = {'农业用地', '工业用地', '商业用地', '居住用地', '公共设施用地', '生态保护用地', '
交通运输用地'};
text_contents2 = {'土地规划', '土地开发', '土地利用强度', '土地利用模式', '土地资源管理', '土地利
用评估', '土地资源保护'};
text_contents3 = {'生态恢复措施', '环境治理措施', '资源节约措施', '土地修复措施', '资源利用技术', '
资源管理制度', '资源保护资金'};
text_contents4 = {'利用总面积', '保护总面积', '经济效益总额', '环境改善总评估', '社会效益总评估', '
平均资源利用率', '最高利用强度'};
text_contents5 = {'资源利用率', '生态保护效果', '环境改善效果', '经济效益', '社会效益', '土地利用
强度', '土地可持续发展'};
features1 = [
    struct('type', 'radiobutton', 'fontSize', 12, 'width', 80, 'defaultValue', '选择', 'items', {},
'range', [], 'unit', '', 'unitFontSize', 14),...
    struct('type', 'radiobutton', 'fontSize', 12, 'width', 80, 'defaultValue', '选择', 'items', {},
'range', [], 'unit', '', 'unitFontSize', 14),...

```

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        struct('type', 'radiobutton', 'fontSize', 12, 'width', 80, 'defaultValue', '选择', 'items', {}),
        'range', [], 'unit', '', 'unitFontSize', 14),...
        struct('type', 'radiobutton', 'fontSize', 12, 'width', 80, 'defaultValue', '选择', 'items', {}),
        'range', [], 'unit', '', 'unitFontSize', 14),...
        struct('type', 'radiobutton', 'fontSize', 12, 'width', 80, 'defaultValue', '选择', 'items', {}),
        'range', [], 'unit', '', 'unitFontSize', 14),...
        struct('type', 'radiobutton', 'fontSize', 12, 'width', 80, 'defaultValue', '选择', 'items', {}),
        'range', [], 'unit', '', 'unitFontSize', 14),...
        struct('type', 'radiobutton', 'fontSize', 12, 'width', 80, 'defaultValue', '选择', 'items', {}),
        'range', [], 'unit', '', 'unitFontSize', 14),...
];
features2 = [
    struct('type', 'popupmenu', 'items', {formatItems('科学规划|优化配置|合理利用')}), 'width', 100,
    'fontSize', 10, 'range', [], 'defaultValue', '', 'unit', '', 'unitFontSize', 14),...
    struct('type', 'popupmenu', 'items', {formatItems('可持续发展|资源节约|环境保护')}), 'width',
    100, 'fontSize', 10, 'range', [], 'defaultValue', '', 'unit', '', 'unitFontSize', 14),...
    struct('type', 'popupmenu', 'items', {formatItems('低强度|中强度|高强度')}), 'width', 100,
    'fontSize', 10, 'range', [], 'defaultValue', '', 'unit', '', 'unitFontSize', 14),...
    struct('type', 'popupmenu', 'items', {formatItems('集约利用|粗放利用|混合利用')}), 'width', 100,
    'fontSize', 10, 'range', [], 'defaultValue', '', 'unit', '', 'unitFontSize', 14),...
    struct('type', 'popupmenu', 'items', {formatItems('统一管理|分级管理|自主管理')}), 'width', 100,
    'fontSize', 10, 'range', [], 'defaultValue', '', 'unit', '', 'unitFontSize', 14),...
    struct('type', 'popupmenu', 'items', {formatItems('环境影响|经济效益|社会效益')}), 'width', 100,
    'fontSize', 10, 'range', [], 'defaultValue', '', 'unit', '', 'unitFontSize', 14),...
    struct('type', 'popupmenu', 'items', {formatItems('生态保护|资源修复|环境改善')}), 'width', 100,
    'fontSize', 10, 'range', [], 'defaultValue', '', 'unit', '', 'unitFontSize', 14),...
];
features3 = [
    struct('type', 'popupmenu', 'items', {formatItems('植树造林|土壤改良|水资源保护')}), 'width',
    100, 'fontSize', 10, 'range', [], 'defaultValue', '', 'unit', '', 'unitFontSize', 14),...
    struct('type', 'popupmenu', 'items', {formatItems('污染治理|垃圾处理|废水处理')}), 'width', 100,
    'fontSize', 10, 'range', [], 'defaultValue', '', 'unit', '', 'unitFontSize', 14),...
    struct('type', 'popupmenu', 'items', {formatItems('节水灌溉|节能减排|再生资源利用')}), 'width',
    100, 'fontSize', 10, 'range', [], 'defaultValue', '', 'unit', '', 'unitFontSize', 14),...
    struct('type', 'popupmenu', 'items', {formatItems('土壤修复|植被恢复|生态修复')}), 'width', 100,
    'fontSize', 10, 'range', [], 'defaultValue', '', 'unit', '', 'unitFontSize', 14),...
    struct('type', 'popupmenu', 'items', {formatItems('先进技术|传统技术|混合技术')}), 'width', 100,
    'fontSize', 10, 'range', [], 'defaultValue', '', 'unit', '', 'unitFontSize', 14),...
    struct('type', 'popupmenu', 'items', {formatItems('法律法规|政策指导|技术规范')}), 'width', 100,
    'fontSize', 10, 'range', [], 'defaultValue', '', 'unit', '', 'unitFontSize', 14),...
    struct('type', 'edit', 'fontSize', 12, 'width', 60, 'unit', '万元', 'unitFontSize', 14,
    'defaultValue', '', 'items', {}, 'range', []),...
];
features4 = [
    struct('type', 'edit', 'fontSize', 12, 'width', 60, 'unit', 'm²', 'unitFontSize', 14,
    'defaultValue', '', 'items', {}, 'range', []),...
    struct('type', 'edit', 'fontSize', 12, 'width', 60, 'unit', 'm²', 'unitFontSize', 14,
    'defaultValue', '', 'items', {}, 'range', []),...
    struct('type', 'edit', 'fontSize', 12, 'width', 60, 'unit', '万元', 'unitFontSize', 14,
    'defaultValue', '', 'items', {}, 'range', []),...
    struct('type', 'edit', 'fontSize', 12, 'width', 60, 'unit', '分', 'unitFontSize', 14,
    'defaultValue', '', 'items', {}, 'range', []),...
];

```

```

    struct('type', 'edit', 'fontSize', 12, 'width', 60, 'unit', '分', 'unitFontSize', 14,
'defaultValue', '', 'items', {}, 'range', []),...
    struct('type', 'edit', 'fontSize', 12, 'width', 60, 'unit', '%', 'unitFontSize', 14,
'defaultValue', '', 'items', {}, 'range', []),...
    struct('type', 'edit', 'fontSize', 12, 'width', 60, 'unit', '%', 'unitFontSize', 14,
'defaultValue', '', 'items', {}, 'range', []),...
];
features5 = [
    struct('type', 'edit', 'fontSize', 12, 'width', 60, 'unit', '%', 'unitFontSize', 14,
'defaultValue', '', 'items', {}, 'range', []),...
    struct('type', 'edit', 'fontSize', 12, 'width', 60, 'unit', '%', 'unitFontSize', 14,
'defaultValue', '', 'items', {}, 'range', []),...
    struct('type', 'edit', 'fontSize', 12, 'width', 60, 'unit', '%', 'unitFontSize', 14,
'defaultValue', '', 'items', {}, 'range', []),...
    struct('type', 'edit', 'fontSize', 12, 'width', 60, 'unit', '%', 'unitFontSize', 14,
'defaultValue', '', 'items', {}, 'range', []),...
    struct('type', 'edit', 'fontSize', 12, 'width', 60, 'unit', '%', 'unitFontSize', 14,
'defaultValue', '', 'items', {}, 'range', []),...
    struct('type', 'edit', 'fontSize', 12, 'width', 60, 'unit', '%', 'unitFontSize', 14,
'defaultValue', '', 'items', {}, 'range', []),...
    struct('type', 'edit', 'fontSize', 12, 'width', 60, 'unit', '%', 'unitFontSize', 14,
'defaultValue', '', 'items', {}, 'range', []),...
];
% 功能点名称创建（键）的调用方法
handles = createDynamicText(handles, handles.uipanel2, text_contents1, 14, 10, 39);
handles = createDynamicText(handles, handles.uipanel3, text_contents2, 14, 10, 39);
handles = createDynamicText(handles, handles.uipanel4, text_contents3, 14, 10, 39);
handles = createDynamicText(handles, handles.uipanel5, text_contents4, 14, 10, 39);
handles = createDynamicText(handles, handles.uipanel6, text_contents5, 14, 10, 39);
% 功能点值创建（值）的调用方法
handles = createUIComponents(handles, handles.uipanel2, features1, 39, 200);
handles = createUIComponents(handles, handles.uipanel3, features2, 39, 160);
handles = createUIComponents(handles, handles.uipanel4, features3, 39, 160);
handles = createUIComponents(handles, handles.uipanel5, features4, 39, 160);
handles = createUIComponents(handles, handles.uipanel6, features5, 39, 185);
% 确认按钮哪一行最后是否带有单位的调用方法
handles = createUnitText(handles, {'uipanel2', 'uipanel3', 'uipanel4', 'uipanel5', 'uipanel6'}, 14,
unit_content);
return;
function text_click_ButtonDownFcn(hObject, eventdata, handles)
% hObject    handle to text_click (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
capture_and_draw('uipanel2', false, 'pushbutton8', 'uipanel2', false, 'tu1.png');
% --- Executes on button press in pushbutton8.
function pushbutton8_Callback(hObject, eventdata, handles)
% 模块 1
% hObject    handle to pushbutton8 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
set(handles.text38, 'String', '选择成功');
pause(1);

```

```
capture_and_draw('uipanel2', true, 'pushbutton8', 'uipanel2', true, 'tu2.png');
% --- Executes on button press in pushbutton9.
function pushbutton9_Callback(hObject, eventdata, handles)
% 模块 2
% hObject    handle to pushbutton9 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
set(handles.text39, 'String', '设置成功');
pause(1);
capture_and_draw('uipanel3', true, 'pushbutton9', 'uipanel3', true, 'tu3.png');
% --- Executes on button press in pushbutton10.
function pushbutton10_Callback(hObject, eventdata, handles)
% 模块 3
% hObject    handle to pushbutton10 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
set(handles.text40, 'String', '设置成功');
pause(1);
capture_and_draw('uipanel4', true, 'pushbutton10', 'uipanel4', true, 'tu4.png');
% --- Executes on button press in pushbutton11.
function pushbutton11_Callback(hObject, eventdata, handles)
% 模块 4
% hObject    handle to pushbutton11 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
set(handles.text41, 'String', '设置成功');
pause(1);
capture_and_draw('uipanel5', true, 'pushbutton11', 'uipanel5', true, 'tu5.png');
% --- Executes on button press in pushbutton12.
function pushbutton12_Callback(hObject, eventdata, handles)
% 模块 5
% hObject    handle to pushbutton12 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
a=str2double(get(handles.uipanel6_edit1, 'String'));
b=str2double(get(handles.uipanel6_edit2, 'String'));
c=str2double(get(handles.uipanel6_edit3, 'String'));
d=str2double(get(handles.uipanel6_edit4, 'String'));
e=str2double(get(handles.uipanel6_edit5, 'String'));
f=str2double(get(handles.uipanel6_edit6, 'String'));
g=str2double(get(handles.uipanel6_edit7, 'String'));
x=(a+b+c+d+e+f+g)/7;
y=sprintf('%2.2f', x);
set(handles.text42, 'String', y);
pause(1);
capture_and_draw('uipanel6', true, 'pushbutton12', 'uipanel6', true, 'tu6.png');
% --- Executes on button press in pushbutton5.
function pushbutton5_Callback(hObject, eventdata, handles)
% 模块 6
% hObject    handle to pushbutton5 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
```



```

global image;
[filename, filepath]=uigetfile({'*.bmp;*.png;*.jpg;'}, '选择图像');
if(isequal(filename, 0) || isequal(filepath, 0))
    return;
end
image = [filepath, filename];
im=imread(image);
axes(handles.axes1);
imshow(im);
title('土地资源利用流程图');
axes(handles.axes1);
drawnow; pause(1);
capture_and_draw('uipanel7', true, 'pushbutton5', 'uipanel1', true, 'tu7.png');
% --- Executes on button press in pushbutton6.
function pushbutton6_Callback(hObject, eventdata, handles)
% 模块 7
% hObject    handle to pushbutton6 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
axes(handles.axes2);
% 创建数据
X = linspace(0.1, 1, 30); % 资源利用率
Y = linspace(1000, 10000, 30); % 经济效益
[Z, W] = meshgrid(X, Y);
V = Z .* sin(W / 1000) + W / 10000;
% 创建三维图
waterfall(handles.axes2, Z, W, V);
% 设置坐标轴标签和标题
xlabel(handles.axes2, '资源利用率');
ylabel(handles.axes2, '经济效益');
zlabel(handles.axes2, '环境改善效果');
title(handles.axes2, '土地资源利用效果分析三维图');

drawnow; pause(1);
capture_and_draw('uipanel8', true, 'pushbutton6', 'uipanel1', true, 'tu8.png');
% --- Executes on button press in pushbutton7.
function pushbutton7_Callback(hObject, eventdata, handles)
% 模块 8
% hObject    handle to pushbutton7 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
axes(handles.axes3);
a=str2double(get(handles.uipanel6_edit1, 'String'));
b=str2double(get(handles.uipanel6_edit2, 'String'));
c=str2double(get(handles.uipanel6_edit3, 'String'));
d=str2double(get(handles.uipanel6_edit4, 'String'));
e=str2double(get(handles.uipanel6_edit5, 'String'));
f=str2double(get(handles.uipanel6_edit6, 'String'));
g=str2double(get(handles.uipanel6_edit7, 'String'));
Y = [a;b;c;d;e;f;g];
ch=bar(Y, 'm');
set(gca, 'XTickLabel', {'资源利用率', '生态保护效果', '环境改善效果', '经济效益', '社会效益', '土地

```

```

利用强度', '土地可持续发展']));
set(gca, 'XTickLabelRotation', 25);
ylim([0, max(max(Y)+max(Y)*0.3)]);
title('土地资源利用效果评估分析柱状图');
drawnow; pause(1);
capture_and_draw('uipanel9', true, 'pushbutton7', 'uipanel1', true, 'tu9.png');
% --- Executes on button press in pushbutton1.
function pushbutton1_Callback(hObject, eventdata, handles)
% 模块 9
% 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)
h = msgbox('土地资源可持续发展利用分析软件为用户提供了土地资源利用范围管理、土地资源利用设置、土地
资源保护措施管理、土地资源参数设置、土地资源利用效果评估等功能。', '关于本软件', 'help');
jMsgBox = h.JavaFrame.getFigurePanelContainer.getComponent(0).getTopLevelAncestor;
jMsgBox.setAlwaysOnTop(true);
figure(handles.figure1);
drawnow; pause(1);
capture_and_draw_msgbox(h, true, 'pushbutton1', 'uipanel1', true, 'tu10.png');
% --- Executes on button press in pushbutton2.
function pushbutton2_Callback(hObject, eventdata, handles)
% 模块 10
% hObject    handle to pushbutton2 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
clearPanelUI(handles.uipanel2);
clearPanelUI(handles.uipanel3);
clearPanelUI(handles.uipanel4);
clearPanelUI(handles.uipanel5);
clearPanelUI(handles.uipanel6);
set(handles.text38, 'String', []);
set(handles.text39, 'String', []);
set(handles.text40, 'String', []);
set(handles.text41, 'String', []);
set(handles.text42, 'String', []);
axes(handles.axes1);
cla reset;
box on;
set(handles.axes1, 'xtick', []);
set(handles.axes1, 'ytick', []);
axes(handles.axes2);
cla reset;
box on;
set(handles.axes2, 'xtick', []);
set(handles.axes2, 'ytick', []);
axes(handles.axes3);
cla reset;
box on;
set(handles.axes3, 'xtick', []);
set(handles.axes3, 'ytick', []);
drawnow; pause(1);
capture_and_draw('uipanel9', false, 'pushbutton2', 'uipanel1', true, 'tu12.png');

```

```

capture_and_draw('uipanel9', false, 'pushbutton4', 'uipanel1', true, 'tu13.png');
function clearPanelUI(panelHandle)
% 清除文本输入框
editHandles = findall(panelHandle, 'Style', 'edit');
for i = 1:length(editHandles)
    set(editHandles(i), 'String', '');
end
% 清除下拉菜单
popupHandles = findall(panelHandle, 'Style', 'popupmenu');
for i = 1:length(popupHandles)
    set(popupHandles(i), 'Value', 1);
end
% 清除单选按钮
radioHandles = findall(panelHandle, 'Style', 'radiobutton');
for i = 1:length(radioHandles)
    set(radioHandles(i), 'Value', 0);
end
% 清除复选框
checkboxHandles = findall(panelHandle, 'Style', 'checkbox');
for i = 1:length(checkboxHandles)
    set(checkboxHandles(i), 'Value', 0);
end
% 清除滑动条
sliderHandles = findall(panelHandle, 'Style', 'slider');
for i = 1:length(sliderHandles)
    minVal = get(sliderHandles(i), 'Min');
    set(sliderHandles(i), 'Value', minVal);
end
function handles = createDynamicText(handles, panelHandle, textContents, fontSize, offset, spacing)
    global ELEMENT_TOP;
    for i = 1:length(textContents)
        temp = uicontrol('Style', 'text', 'String', textContents{i}, 'Visible', 'off', 'FontSize',
fontSize);
        textWidth = temp.Extent(3) + 10;
        delete(temp);
        h = uicontrol('Parent', panelHandle, ...
            'Style', 'text', ...
            'String', textContents{i}, ...
            'Position', [offset, ELEMENT_TOP - (i-1)*spacing, textWidth, 27], ...
            'FontSize', fontSize);
        tag = sprintf('%s_%s%d', get(panelHandle, 'Tag'), 'text', i);
        handles.(tag) = h;
    end
function handles = createUnitText(handles, panelHandles, fontSize, textContents)
    for i = 1:length(textContents)
        if ~isempty(textContents{i})
            tag = sprintf('text%d', i + 37);
            set(handles.(tag), 'Units', 'pixels');
            position = get(handles.(tag), 'Position');
            temp=uicontrol('Style', 'text', 'String', textContents{i}, 'Visible', 'off', 'FontSize',
fontSize);
            textWidth = temp.Extent(3) + 10;

```

```

        delete(temp);
        h = uicontrol('Parent', handles.(panelHandles{i}), ...
            'Style', 'text', ...
            'String', textContents{i}, ...
            'Position', [position(1) + position(3), position(2), textWidth, 27], ...
            'FontSize', fontSize);
        unitTag = sprintf('%s_%s%d', get(handles.(panelHandles{i}), 'Tag'), 'text', i);
        handles.(unitTag) = h;
    end
end
function items_cell = formatItems(input_str)
    if ~startsWith(input_str, '|')
        input_str = ['|' input_str];
    end
    items_list = strsplit(input_str, '|');
    items_cell = [''; items_list(:)];
% UIWAIT makes Sustainable_Development wait for user response (see UIRESUME)
% uiwait(handles.figure1);
function handles = createUIComponents(handles, panelHandle, features, spacing, offset)
    global ELEMENT_TOP;
    for i = 1:length(features)
        commonProperties = {'Parent', panelHandle, ...
            'Position', [offset, ELEMENT_TOP - (i-1)*spacing, features(i).width,
27], ...
            'FontSize', features(i).fontSize};
        tag = sprintf('%s_%s%d', get(panelHandle, 'Tag'), features(i).type, i);
        switch features(i).type
            case 'edit'
                h = uicontrol(commonProperties{:}, 'Style', 'edit', 'String',
features(i).defaultValue, 'Tag', tag);
                handles.(tag) = h;
                if ~isempty(features(i).unit)
                    temp = uicontrol('Style', 'text', 'String', features(i).unit, 'Visible', 'off',
'FontSize', features(i).unitFontSize);
                    textWidth = temp.Extent(3);
                    delete(temp);
                    unitTag = sprintf('%s_%s%d', get(panelHandle, 'Tag'), 'unitText', i);
                    hUnit = uicontrol('Parent', panelHandle, ...
                        'Style', 'text', ...
                        'Position', [offset + features(i).width, ELEMENT_TOP -
(i-1)*spacing, textWidth, 27], ...
                        'FontSize', features(i).unitFontSize, ...
                        'String', features(i).unit, ...
                        'Tag', unitTag);
                    handles.(unitTag) = hUnit;
                end
            case 'popupmenu'
                h = uicontrol(commonProperties{:}, 'Style', 'popupmenu', 'String', features(i).items,
'Tag', tag);
                handles.(tag) = h;
            case 'slider'
                h = uicontrol(commonProperties{:}, 'Style', 'slider', 'Min', features(i).range(1),

```

```

'Max', features(i).range(2), 'Tag', tag);
        handles.(tag) = h;
        case 'radiobutton'
            h = uicontrol(commonProperties{:}, 'Style', 'radiobutton', 'String',
features(i).defaultValue, 'Tag', tag);
            handles.(tag) = h;
        case 'checkbox'
            h = uicontrol(commonProperties{:}, 'Style', 'checkbox', 'String',
features(i).defaultValue, 'Tag', tag);
            handles.(tag) = h;
        case 'text'
            h = uicontrol(commonProperties{:}, 'Style', 'text', 'String',
features(i).defaultValue, 'Tag', tag);
            handles.(tag) = h;
        end
    end
end

```

% 提取块注释

```

function comments = extractComments(filename, tag)
    fid = fopen(filename, 'r');
    if fid == -1
        error(['Cannot open file: ', filename]);
    end
    comments = {};
    inCommentBlock = false;
    foundTag = false;
    tempComment = {};
    tline = fgetl(fid);
    while ischar(tline)
        if ~inCommentBlock && contains(tline, '%{')
            inCommentBlock = true;
        elseif inCommentBlock && contains(tline, tag) && ~foundTag
            foundTag = true;
            tagPosition = strfind(tline, tag) + length(tag);
            restOfLine = strtrim(tline(tagPosition:end));
            if ~isempty(restOfLine)
                tempComment{end+1} = restOfLine;
            end
        elseif inCommentBlock && ~contains(tline, '%}')
            tempComment{end+1} = strtrim(tline);
        elseif inCommentBlock && contains(tline, '%}')
            inCommentBlock = false;
            if foundTag
                comments{end+1} = strsplit(strjoin(tempComment, ' '), ' ');
                foundTag = false;
            end
            tempComment = {};
        end
        tline = fgetl(fid);
    end
    fclose(fid);

```

% 从块注释生成数据结构

```

function dataStructure = generateDataStructure(filename, tag)

```

```

comments = extractComments(filename, tag);
if isempty(comments)
    error('No comments found with the specified tag.');
```

---

```

end
dataStructure = comments{1};
function capture_and_draw(tagForBox, drawBox, tagForArrow, parentTagForArrow, drawArrow, filename)
jFrame = get(handle(gcf), 'JavaFrame');
jAxis = jFrame.fHG2Client.getWindow;
output_folder = fullfile(pwd, 'snap_images');
if ~exist(output_folder, 'dir')
    mkdir(output_folder);
end
robot = java.awt.Robot;
position = jAxis.getLocationOnScreen;
size = jAxis.getSize;
offsetX = 7;
offsetY = 0;
widthOffset = 14;
heightOffset = 7;
rectangle = java.awt.Rectangle(position.x + offsetX, position.y + offsetY, ...
                                size.width - widthOffset, size.height - heightOffset);
capture = robot.createScreenCapture(rectangle);
rgb = typecast(capture.getRGB(0, 0, capture.getWidth, capture.getHeight, [], 0, capture.getWidth),
'uint8');
img = reshape(rgb, [4, capture.getWidth, capture.getHeight]);
img = img(3:-1:1, :, :);
img = permute(img, [3 2 1]);
if drawBox
    hBox = findobj(gcf, 'Tag', tagForBox);
    boxPos = getpixelposition(hBox);
    adjustedBoxPos = [boxPos(1) - 10, size.height - boxPos(2) - boxPos(4) - 10, boxPos(3) + 20, boxPos(4)
+ 20];
    img = insertShape(img, 'Rectangle', adjustedBoxPos, 'Color', 'red', 'LineWidth', 3);
end
if drawArrow
    hArrow = findobj(gcf, 'Tag', tagForArrow);
    hParent = findobj(gcf, 'Tag', parentTagForArrow);
    parentPos = getpixelposition(hParent);
    arrowPos = getpixelposition(hArrow);
    adjustedX = arrowPos(1) + parentPos(1);
    adjustedY = size.height - (arrowPos(2) + parentPos(2) - arrowPos(4) - 50);
    arrowLength = 90;
    arrowThickness = 5;
    startPt = [adjustedX + arrowPos(3)/2, adjustedY - arrowLength];
    endPt = [adjustedX + arrowPos(3)/2, adjustedY];
    img = insertShape(img, 'Line', [startPt, endPt], 'Color', 'red', 'LineWidth', arrowThickness);
    headWidth = 25;
    headLength = 25;
    headPt1 = [startPt(1) - headWidth/2, startPt(2) + headLength];
    headPt2 = [startPt(1) + headWidth/2, startPt(2) + headLength];
    img = insertShape(img, 'Line', [startPt, headPt1], 'Color', 'red', 'LineWidth', arrowThickness);
    img = insertShape(img, 'Line', [startPt, headPt2], 'Color', 'red', 'LineWidth', arrowThickness);

```

```

end
if isempty(filename)
    filename = sprintf('screenshot_%.png', datestr(now, 'yyyy-mm-dd_HH-MM-SS'));
end
output_filename = fullfile(output_folder, filename);
imwrite(img, output_filename);
function capture_and_draw_msgbox(msgboxHandle, drawBox, tagForArrow, parentTagForArrow, drawArrow,
filename)
jFrame = get(handle(gcf), 'JavaFrame');
jAxis = jFrame.fHG2Client.getWindow;
output_folder = fullfile(pwd, 'snap_images');
if ~exist(output_folder, 'dir')
    mkdir(output_folder);
end
robot = java.awt.Robot;
position = jAxis.getLocationOnScreen;
size = jAxis.getSize;
offsetX = 7;
offsetY = 0;
widthOffset = 14;
heightOffset = 7;
rectangle = java.awt.Rectangle(position.x + offsetX, position.y + offsetY, ...
                                size.width - widthOffset, size.height - heightOffset);
capture = robot.createScreenCapture(rectangle);
rgb = typecast(capture.getRGB(0, 0, capture.getWidth, capture.getHeight, [], 0, capture.getWidth),
'uint8');
img = reshape(rgb, [4, capture.getWidth, capture.getHeight]);
img = img(3:-1:1, :, :);
img = permute(img, [3 2 1]);
if drawBox
    jMsgbox = get(msgboxHandle, 'JavaFrame');
    jMsgboxWindow = jMsgbox.fHG2Client.getWindow;
    msgboxPos = jMsgboxWindow.getLocationOnScreen;
    msgboxSize = jMsgboxWindow.getSize;
    adjustedBoxPos = [msgboxPos.x - position.x - 10, msgboxPos.y - position.y - 8, msgboxSize.width
+ 10, msgboxSize.height + 10];
    img = insertShape(img, 'Rectangle', adjustedBoxPos, 'Color', 'red', 'LineWidth', 3);
end
if drawArrow
    hArrow = findobj(gcf, 'Tag', tagForArrow);
    hParent = findobj(gcf, 'Tag', parentTagForArrow);
    parentPos = getpixelposition(hParent);
    arrowPos = getpixelposition(hArrow);
    adjustedX = arrowPos(1) + parentPos(1);
    adjustedY = size.height - (arrowPos(2) + parentPos(2) - arrowPos(4) - 50);
    arrowLength = 90;
    arrowThickness = 5;
    startPt = [adjustedX + arrowPos(3)/2, adjustedY - arrowLength];
    endPt = [adjustedX + arrowPos(3)/2, adjustedY];
    img = insertShape(img, 'Line', [startPt, endPt], 'Color', 'red', 'LineWidth', arrowThickness);
    headWidth = 25;
    headLength = 25;

```

```

    headPt1 = [startPt(1) - headWidth/2, startPt(2) + headLength];
    headPt2 = [startPt(1) + headWidth/2, startPt(2) + headLength];
    img = insertShape(img, 'Line', [startPt, headPt1], 'Color', 'red', 'LineWidth', arrowThickness);
    img = insertShape(img, 'Line', [startPt, headPt2], 'Color', 'red', 'LineWidth', arrowThickness);
end
% 保存截图
if isempty(filename)
    filename = sprintf('screenshot_%s.png', datestr(now, 'yyyy-mm-dd_HH-MM-SS'));
end
output_filename = fullfile(output_folder, filename);
imwrite(img, output_filename);
% --- Executes on button press in radiobutton4.
function radiobutton4_Callback(hObject, eventdata, handles)
% hObject    handle to radiobutton4 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hint: get(hObject,'Value') returns toggle state of radiobutton4
% --- Executes on button press in radiobutton5.
function radiobutton5_Callback(hObject, eventdata, handles)
% hObject    handle to radiobutton5 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hint: get(hObject,'Value') returns toggle state of radiobutton5
% --- Executes on button press in radiobutton6.
function radiobutton6_Callback(hObject, eventdata, handles)
% hObject    handle to radiobutton6 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hint: get(hObject,'Value') returns toggle state of radiobutton6
% --- Executes on button press in radiobutton7.
function radiobutton7_Callback(hObject, eventdata, handles)
% hObject    handle to radiobutton7 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hint: get(hObject,'Value') returns toggle state of radiobutton7
% --- Executes on selection change in popupmenu2.
function popupmenu2_Callback(hObject, eventdata, handles)
% hObject    handle to popupmenu2 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: contents = cellstr(get(hObject,'String')) returns popupmenu2 contents as cell array
%         contents{get(hObject,'Value')} returns selected item from popupmenu2
% --- Executes during object creation, after setting all properties.
function popupmenu2_CreateFcn(hObject, eventdata, handles)
% hObject    handle to popupmenu2 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFns called
% Hint: popupmenu controls usually have a white background on Windows.
%         See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
end

```



```
% --- Executes on selection change in popupmenu3.
function popupmenu3_Callback(hObject, eventdata, handles)
% hObject    handle to popupmenu3 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: contents = cellstr(get(hObject,'String')) returns popupmenu3 contents as cell array
%          contents{get(hObject,'Value')} returns selected item from popupmenu3
% --- Executes during object creation, after setting all properties.
function popupmenu3_CreateFcn(hObject, eventdata, handles)
% hObject    handle to popupmenu3 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: popupmenu controls usually have a white background on Windows.
%          See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

% --- Executes on selection change in popupmenu4.
function popupmenu4_Callback(hObject, eventdata, handles)
% hObject    handle to popupmenu4 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: contents = cellstr(get(hObject,'String')) returns popupmenu4 contents as cell array
%          contents{get(hObject,'Value')} returns selected item from popupmenu4
% --- Executes during object creation, after setting all properties.
function popupmenu4_CreateFcn(hObject, eventdata, handles)
% hObject    handle to popupmenu4 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: popupmenu controls usually have a white background on Windows.
%          See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

% --- Executes on selection change in popupmenu5.
function popupmenu5_Callback(hObject, eventdata, handles)
% hObject    handle to popupmenu5 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: contents = cellstr(get(hObject,'String')) returns popupmenu5 contents as cell array
%          contents{get(hObject,'Value')} returns selected item from popupmenu5
% --- Executes during object creation, after setting all properties.
function popupmenu5_CreateFcn(hObject, eventdata, handles)
% hObject    handle to popupmenu5 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: popupmenu controls usually have a white background on Windows.
%          See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end

% --- Executes on selection change in popupmenu6.
```

```

function popupmenu6_Callback(hObject, eventdata, handles)
% hObject    handle to popupmenu6 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: contents = cellstr(get(hObject,'String')) returns popupmenu6 contents as cell array
%          contents{get(hObject,'Value')} returns selected item from popupmenu6
% --- Executes during object creation, after setting all properties.
function popupmenu6_CreateFcn(hObject, eventdata, handles)
% hObject    handle to popupmenu6 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: popupmenu controls usually have a white background on Windows.
%          See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
% --- Executes on selection change in popupmenu7.
function popupmenu7_Callback(hObject, eventdata, handles)
% hObject    handle to popupmenu7 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: contents = cellstr(get(hObject,'String')) returns popupmenu7 contents as cell array
%          contents{get(hObject,'Value')} returns selected item from popupmenu7
% --- Executes during object creation, after setting all properties.
function popupmenu7_CreateFcn(hObject, eventdata, handles)
% hObject    handle to popupmenu7 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: popupmenu controls usually have a white background on Windows.
%          See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
% --- Executes on selection change in popupmenu8.
function popupmenu8_Callback(hObject, eventdata, handles)
% hObject    handle to popupmenu8 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: contents = cellstr(get(hObject,'String')) returns popupmenu8 contents as cell array
%          contents{get(hObject,'Value')} returns selected item from popupmenu8
% --- Executes during object creation, after setting all properties.
function popupmenu8_CreateFcn(hObject, eventdata, handles)
% hObject    handle to popupmenu8 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: popupmenu controls usually have a white background on Windows.
%          See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
% --- Executes on button press in checkbox2.
function checkbox2_Callback(hObject, eventdata, handles)

```

```

% hObject    handle to checkbox2 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hint: get(hObject,'Value') returns toggle state of checkbox2
% --- Executes on button press in checkbox3.
function checkbox3_Callback(hObject, eventdata, handles)
% hObject    handle to checkbox3 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hint: get(hObject,'Value') returns toggle state of checkbox3
% --- Executes on button press in checkbox4.
function checkbox4_Callback(hObject, eventdata, handles)
% hObject    handle to checkbox4 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hint: get(hObject,'Value') returns toggle state of checkbox4
% --- Executes on button press in checkbox5.
function checkbox5_Callback(hObject, eventdata, handles)
% hObject    handle to checkbox5 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hint: get(hObject,'Value') returns toggle state of checkbox5
% --- Executes on button press in checkbox6.
function checkbox6_Callback(hObject, eventdata, handles)
% hObject    handle to checkbox6 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hint: get(hObject,'Value') returns toggle state of checkbox6
% --- Executes on button press in checkbox7.
function checkbox7_Callback(hObject, eventdata, handles)
% hObject    handle to checkbox7 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hint: get(hObject,'Value') returns toggle state of checkbox7
% --- Executes during object creation, after setting all properties.
function uipanel2_CreateFcn(hObject, eventdata, handles)
% hObject    handle to uipanel2 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% --- Executes during object creation, after setting all properties.
function text1_CreateFcn(hObject, eventdata, handles)
% hObject    handle to text1 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% --- Executes when uipanel3 is resized.
function uipanel3_SizeChangedFcn(hObject, eventdata, handles)
% hObject    handle to uipanel3 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% --- Executes on mouse press over figure background, over a disabled or
% --- inactive control, or over an axes background.
function figure1_WindowButtonDownFcn(hObject, eventdata, handles)

```

```
% hObject    handle to figure1 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% --- Executes on selection change in listBox1.
function listBox1_Callback(hObject, eventdata, handles)
% hObject    handle to listBox1 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% Hints: contents = cellstr(get(hObject,'String')) returns listBox1 contents as cell array
%          contents{get(hObject,'Value')} returns selected item from listBox1
% --- Executes during object creation, after setting all properties.
function listBox1_CreateFcn(hObject, eventdata, handles)
% hObject    handle to listBox1 (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    empty - handles not created until after all CreateFcns called
% Hint: listBox controls usually have a white background on Windows.
%          See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
```