

# USER MANUAL

## JPEG ENCODER FOR .AVI VIDEO

# CODING

# COMPRESSION OF MEDIA DATA

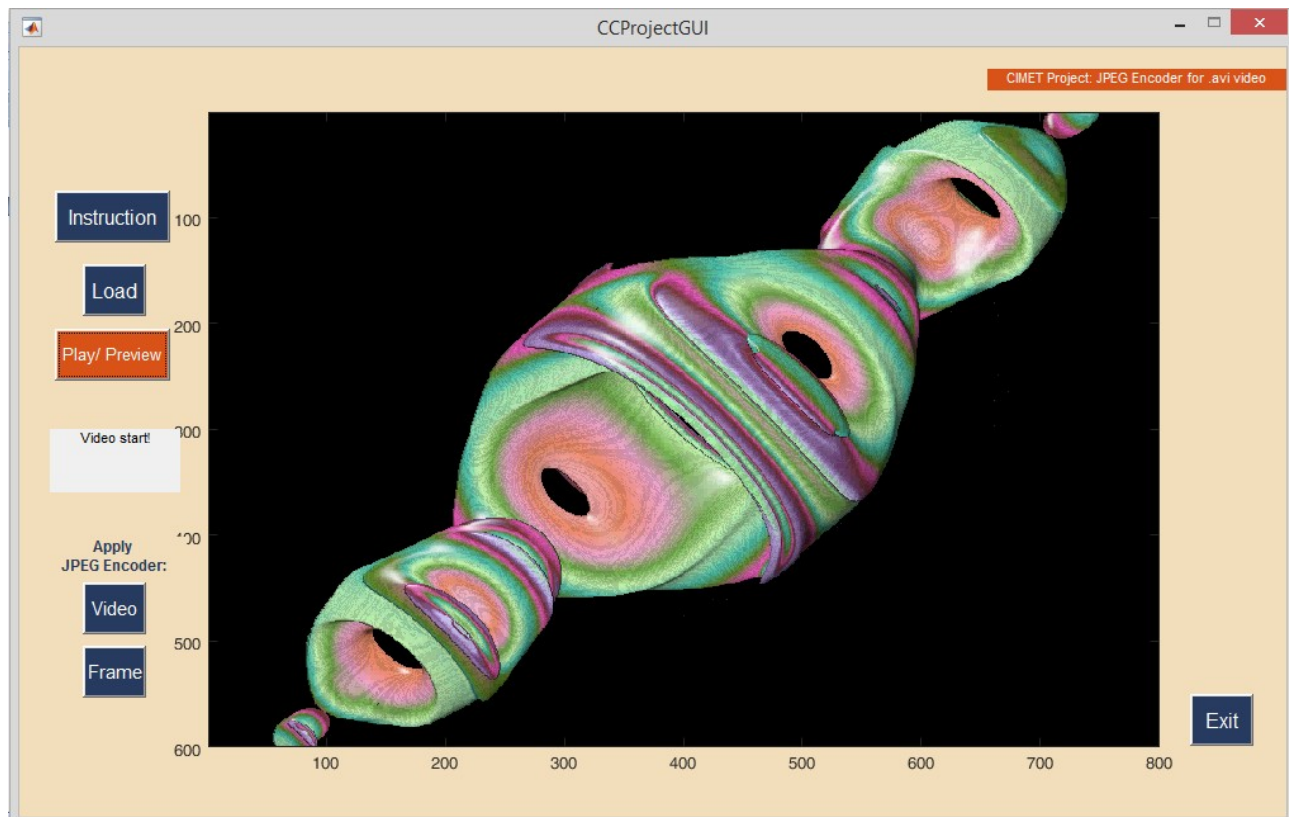
What's INSIDE	2
USER'S GUIDE	3
GUI PARTS	5
TUTORIAL	7

- 1 Open the following **MATLAB** scripts:
  - CCProjectGUI.m
  - CCProjGUIFrame.m
  - CCProjGUIInstruction.m
- 2 Click **Run** for CCProjectGUI.m
- 3 Click **Instruction** for instructions and other information.
- 4 Click **Load** and select the appropriate **.avi** video for compression.
- 5 Click **Play/Preview** to play the video.
- 6 Click **Video** to compress the whole video using the JPEG encoder and save it to disk.
- 7 Click **Frame** to compress a chosen frame extracted from the video.

When the **GUI for Frame** compression opens:

- 1 Enter the number of the frame to be compressed.
- 2 Click **View** to display the selected frame.
- 3 Click **Start** to start the compression of the frame using the JPEG encoder.
- 4 Click **Save** to save the compressed frame to disk.
- 5 Click **Back** to return to main GUI and click **Exit** to close the main GUI.

READ Page 3 and 4 for **DESCRIPTION** of each Push Button.



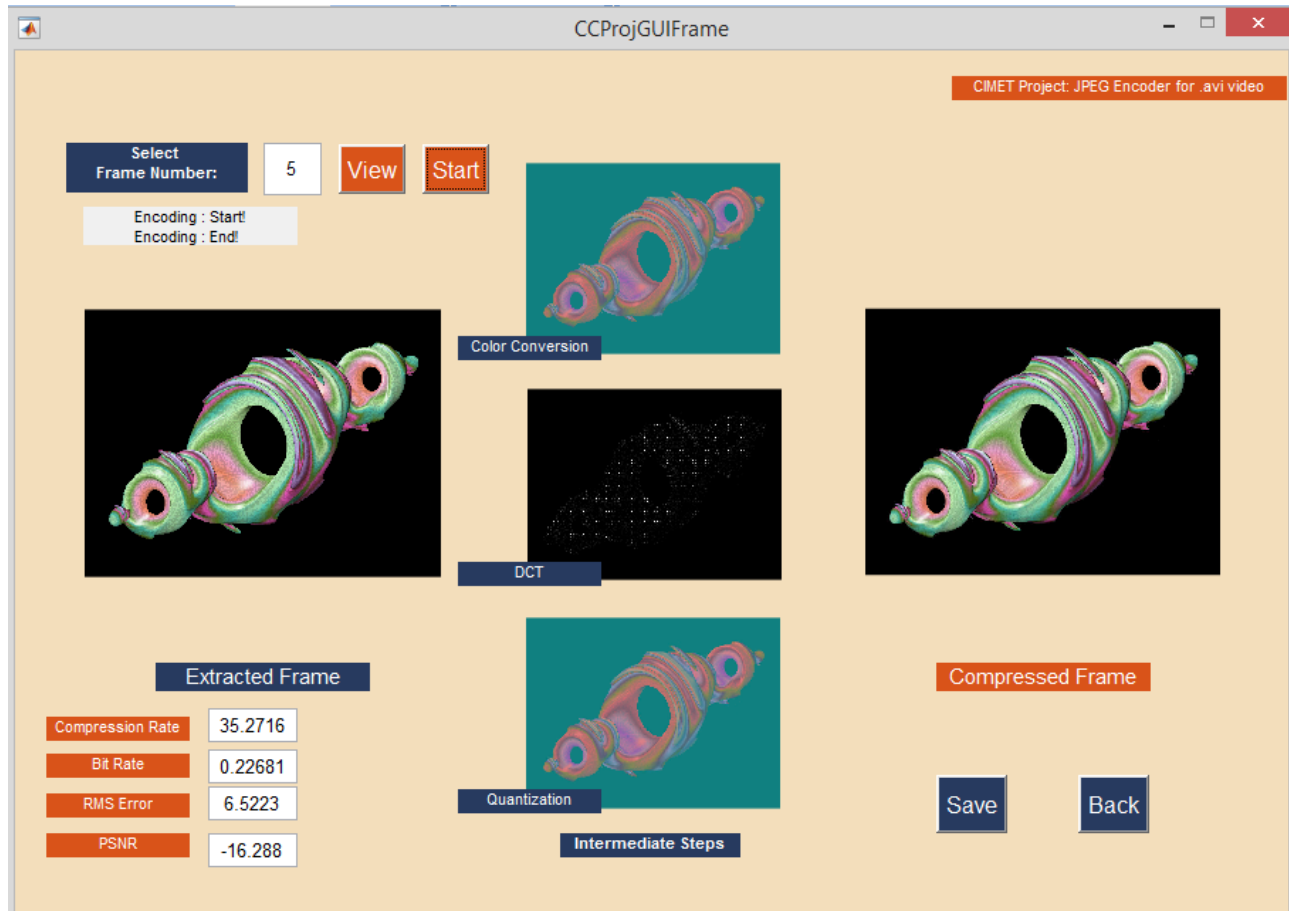
Main GUI

GUI for Instruction



GUI PARTS  
JPEG ENCODER FOR .AVI VIDEO

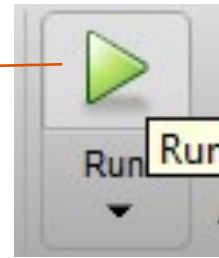
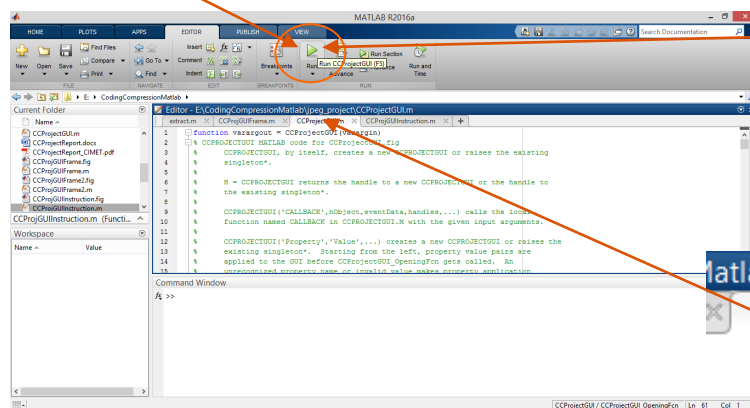
READ Page 4 for **DESCRIPTION** of each Push Button.



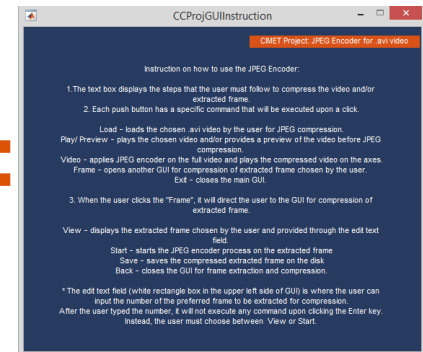
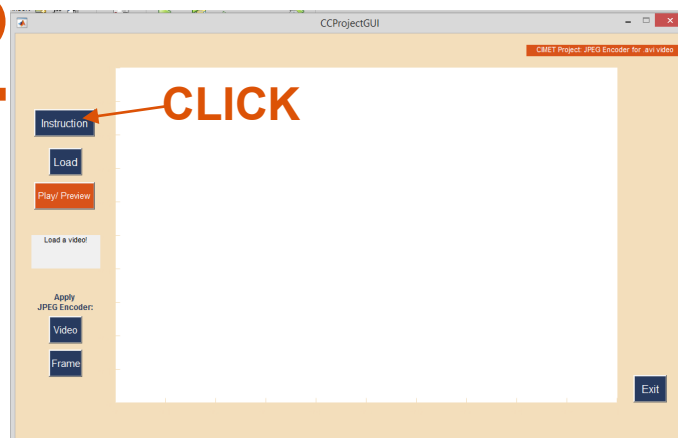
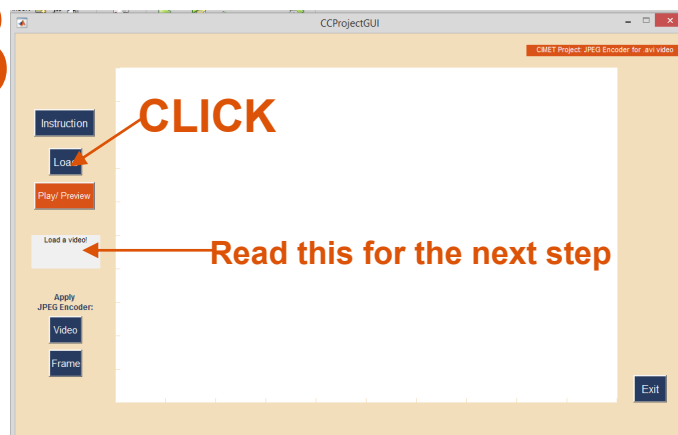
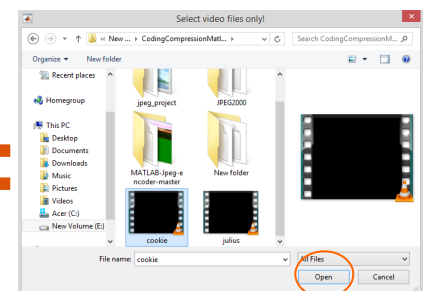
GUI for Compression of Extracted Frame

GUI PARTS

JPEG ENCODER FOR .AVI VIDEO

1 **CLICK**

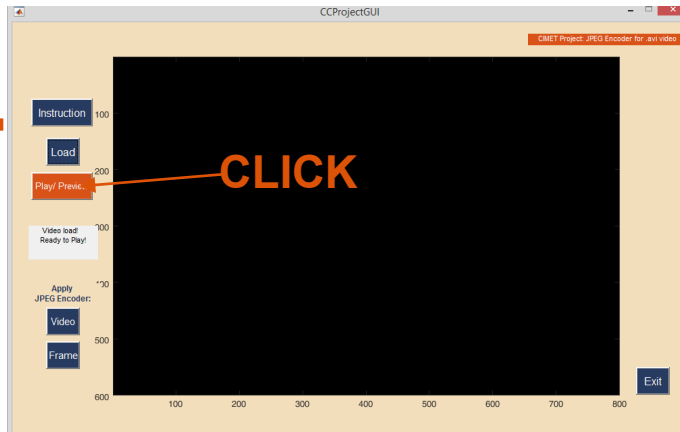
matlab\jpeg\_project\CCP  
CCProjectGUI.m

2 **CLICK****Read the Instruction**3 **CLICK****Read this for the next step****Select .avi video and click Open**

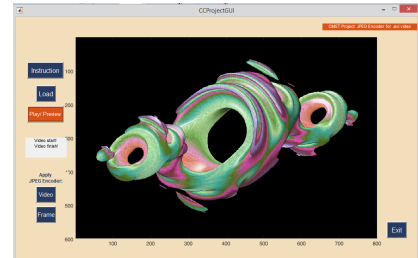
READ **Page 3** and **4**  
for **MORE INFORMATION**

**TUTORIAL**  
**JPEG ENCODER FOR .AVI VIDEO**

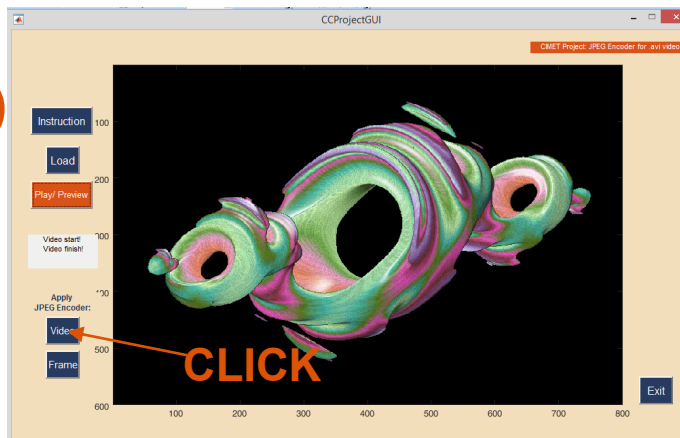
4



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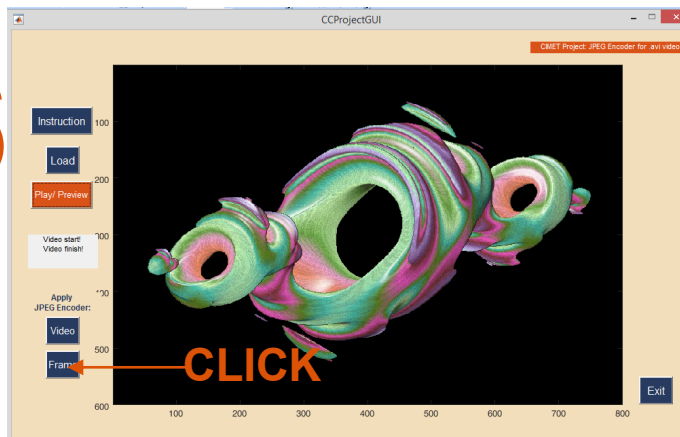
5



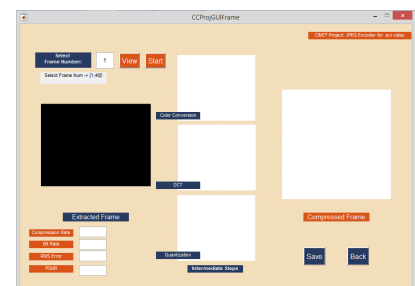
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Compressed  
video and will be  
saved to disk

6



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Opens another GUI for Frame compression

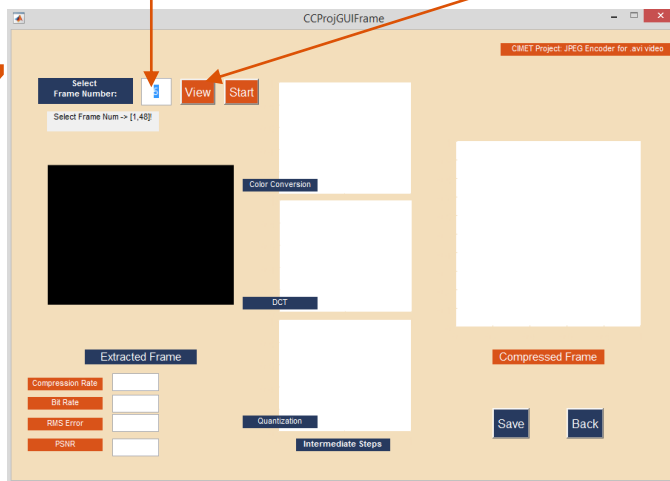
READ **Page 3** and **4**  
for **MORE INFORMATION**

**TUTORIAL**  
**JPEG ENCODER FOR .AVI VIDEO**

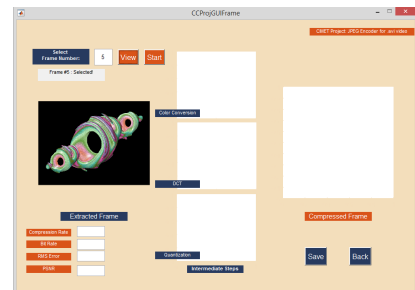


## ENTER No. of Frame & CLICK

7



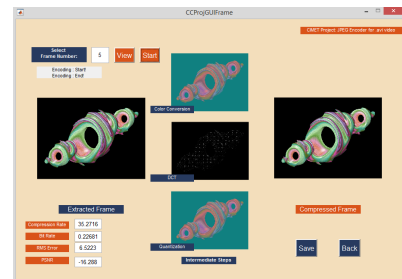
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8

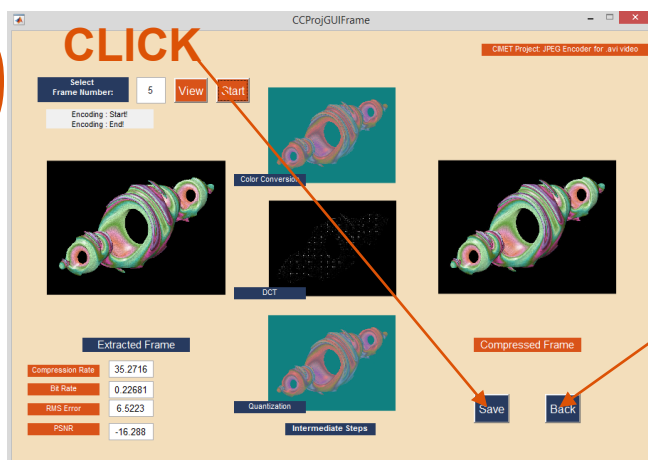


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Compressed frame

9



Save compressed  
frame to disk &  
CLICK Back to  
return to Main GUI

READ Page 3 and 4  
for MORE INFORMATION

# TUTORIAL

## JPEG ENCODER FOR .AVI VIDEO

# USER MANUAL

## JPEG ENCODER FOR .AVI VIDEO

COMPANIONI-BRITO  
CALIBJO

NTAMBAAZI