movieview :

MOVIEVIEW Show MATLAB movie with replay button

movieview(moviefile)

save('filename','variable') :

save(savefile, 'v1') % Use when filename is stored in a variable

imshow

uint8 :

UINT8 Convert to unsigned 8-bit integer.

I = UINT8(X) converts the elements of the array X into unsigned 8-bit

integers. X can be any numeric object, such as a DOUBLE. The values

of a UINT8 range from 0 to 255

convenc :

CONVENC Convolutionally encode binary data.

CODE = CONVENC(MSG,TRELLIS) encodes the binary vector MSG using the

convolutional encoder defined by the MATLAB structure TRELLIS. See

POLY2TRELLIS and ISTRELLIS for a valid TRELLIS structure. The encoder

starts at the all-zeros state. Each symbol in MSG consists of

log2(TRELLIS.numInputSymbols) bits. MSG may contain one or more symbols.

CODE is a vector in the same orientation as MSG, and each of its symbols

consists of log2(TRELLIS.numOutputSymbols) bits.

poly2trellis :

POLY2TRELLIS Convert convolutional code polynomial to trellis description.

TRELLIS = POLY2TRELLIS(CONSTRAINTLENGTH, CODEGENERATOR) converts a

polynomial representation of a feedforward convolutional encoder to a

trellis structure. For a rate k/n code, the encoder input is a vector of

length k, and the encoder output is a vector of length n. Therefore,

- CONSTRAINTLENGTH is a 1-by-k vector specifying the delay for each of

the k input bit streams.

- CODEGENERATOR is a k-by-n matrix of octal numbers specifying the n

output connections for each of the k inputs.

code = bsc(code,p); ---> error code

BSC Model a binary symmetric channel.

NDATA = BSC(DATA, P) passes the binary input signal DATA through a

binary symmetric channel with error probability P. If the input DATA is

a Galois field over GF(2), the Galois field data is passed through the

binary symmetric channel.

vitdec(code,trellis,tblen = 100,'trunc','hard')----->msg

bi2de :

d = bi2de(b) converts a binary row vector b to a nonnegative decimal integer. If b is a matrix, each row is interpreted separately as a binary number. In this case, the output d is a column vector, each element of which is the decimal representation of the corresponding row of b.

bin2dec :

BIN2DEC Convert binary string to decimal integer.

X = BIN2DEC(B) interprets the binary string B and returns in X the

equivalent decimal number.

If B is a character array, or a cell array of strings, each row is

interpreted as a binary string.

Embedded, significant spaces are removed. Leading spaces are converted to

zeros.

Example

bin2dec('010111') returns 23

bin2dec('010 111') also returns 23

bin2dec(' 010111') also returns 23

reshape:

RESHAPE(X,M,N) returns the M-by-N matrix whose elements

are taken columnwise from X. An error results if X does

not have M\*N elements.

movie2avi :

MOVIE2AVI(MOV,FILENAME) creates an AVI movie from the MATLAB movie MOV.

MOVIE2AVI(MOV,FILENAME,PARAM,VALUE,PARAM,VALUE...) creates an AVI movie from

the MATLAB movie MOV using the specified parameter settings.