

# VisSim™ 6

## Block Library

### Animation

animate  
lineDraw

### Annotation

bezel  
comment  
date  
index  
label  
scalarToVec  
variable  
vecToScalar  
wirePositioner

### Arithmetic

1/X  
-X  
\*  
/  
abs  
complexToReIm  
convert  
gain  
magPhase  
pow  
sign  
summingJunction  
unitConversion

### Audio

audioln  
audioOut

### Boolean

>  
<  
>=  
<=  
==  
!=  
and  
not  
or  
xor

### DDE

DDE  
DDEreceive  
DDEsend

### Integration

integrator  
limitedIntegrator  
resetIntegrator

### Linear Systems

stateSpace  
transferFunction

### MatLab Interface

MatLab Expression  
MatLab Read Variable  
MatLab Write Variable

### Matrix Operations

buffer  
diag  
dotProduct  
fft  
ifft  
**indexAssigned**  
invert

### maxElement

### minElement

multiply  
psd  
reshape  
transpose  
vsum

### Nonlinear

case  
crossDetect  
deadband  
**delayedSwitch**  
init  
limit  
map  
max  
merge  
min  
quantize  
relay  
sampleHold

### Optimization

constraint  
cost  
globalConstraint  
parameterUnknown  
unknown

### Random Generator

gaussian  
uniform  
PRBS

### Real Time

rt-DataIn  
rt-DataOut  
ActiveXread  
ActiveXwrite

### State Transition

stateTransition

### Signal Consumer

display  
error  
export  
histogram  
light  
meter  
plot  
**spectrumDisplay**  
stop  
stripChart  
**video**

### Signal Producer

button  
const  
dialogConstant  
dialogTable  
import  
parabola  
pulseTrain  
ramp  
realTime  
sawtooth  
sinusoid  
slider  
squareWave  
step  
triangleWave

### Time Delay

timeDelay  
unitDelay

### Transcendental

acos  
asin  
atan2  
bessel  
cos  
cosh  
exp  
ln  
log10  
sin  
sinh  
sqrt  
tan  
tanh

### General

embed\*  
expression  
OLEobject  
userFunction\*

\* Not included with VisSim PE

**Bold blocks** indicate version 6 blocks



**Visual Solutions**

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