

Jak na Exc

MUNI

Obsah cvičení

Inženýrské - převody číselných soustav

Inženýrské - komplexní čísla

Pouze pro ukázkou netřeba studovat

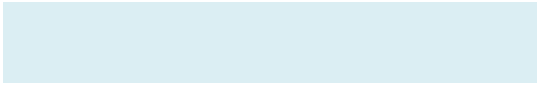
Pavel Lasák

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Microsoftu MVP v České republice

Další informace ke cvičení:

<http://office.lasakovi.com/excel/funkce/konstrukce-funkce-excel/>

cel



Inženýrské - konstrukce - funkce Excel

<http://office.lasakovi.com>

BIN2DEC (BIN2DEC)

Binární soustava	Desítková soustava
10110000	
11111	
100000	

BIN2HEX (BIN2HEX)

Binární soustava	Šestnáctková soustava
10110000	
11111	
100000	

BIN2OCT (BIN2OCT)

Binární soustava	Osmičková
10110000	
11111	
100000	

DEC2BIN (DEC2BIN)

Desítková soustava	Binární soustava
-15	
10	
12	
8	

DEC2HEX (DEC2HEX)

Desítková soustava	
-15	
10	
12	
8	

DEC2OCT (DEC2OCT)

Desitková soustava		
555		
-15		
10		
12		
8		

HEX2BIN (HEX2BIN)

F		
AA		
7		
255		
-1		

HEX2DEC (HEX2DEC)

F	
AA	
7	
255	
-1	

HEX2OCT (HEX2OCT)

F		
AA		
7		
255		
-1		

OCT2BIN

77		
78		

OCT2DEC

77		
78		

OCT2HEX

77		
78		

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176 =BIN2DEC(10110000)
-1 =BIN2DEC(1111111111)
-512 =BIN2DEC(1000000000)

FFFFFFFF =BIN2HEX(1111111111)
3 =BIN2HEX(11)
F

777777777 =BIN2OCT(1111111111)
777777777 =BIN2OCT(1111111111;3)
7 =BIN2OCT(111)
007 =BIN2OCT(111;3)

1010 =DEC2BIN(10)
111111111 =DEC2BIN(511)
1000000000 =DEC2BIN(-512)
#NUM! =DEC2BIN(-513)
#NUM! =DEC2BIN(999999999)

22B =DEC2HEX(555)
022B =DEC2HEX(555;4)
000022B =DEC2HEX(555;7)

143	=DEC2OCT(99)
143	=DEC2OCT(99;3)
0143	=DEC2OCT(99;4)
143	=DEC2OCT(99,9;3)
777777635	=DEC2OCT(-99)
777777635	=DEC2OCT(-99;3)
777777635	=DEC2OCT(-99;4)
777777635	=DEC2OCT(-99,9;3)

1111	=HEX2BIN("F")
01111	=HEX2BIN("F";5)
000001111	=HEX2BIN("F";10)
#NUM!	=HEX2BIN("F";15)
#NÁZEV?	=HEX2BIN(F;5)

255	=HEX2DEC("FF")
-1	=HEX2DEC("FFFFFFFF")
68719476735	=HEX2DEC("FFFFFFFF")

377	=HEX2OCT("FF")
0377	=HEX2OCT("FF";4)
0000377	=HEX2OCT("FF";7)
#NUM!	=HEX2OCT("FF";2)
#NÁZEV?	=HEX2OCT(FF)
20	=HEX2OCT(10)

111111	=OCT2BIN(77)
00111111	=OCT2BIN(77;8)

63 =OCT2DEC(77)

3F =OCT2HEX(77)
003F =OCT2HEX(77;4)

Inženýrské - konstrukce - funkce Excel

<http://office.lasakovi.com/>

COMPLEX (COMPLEX)

3+4i	=COMPLEX(3;4)
1+2j	=COMPLEX(1;2;"j")
i	=COMPLEX(0;1)
#HODNOTA!	=COMPLEX(0;1;"k")

IMABS (IMABS)

1.414213562	=IMABS("1+i")
3.605551275	=IMABS("2+3i")

IMAGINARY (IMAGINARY)

-1	=IMAGINARY("0-j")
-1	=IMAGINARY("0-i")
4	=IMAGINARY("3+4i")
0	=IMAGINARY(4)
-5	=IMAGINARY("-5i")

IMARGUMENT (IMARGUMENT)

0.785398163	=IMARGUMENT("1+i")
0.927295218	=IMARGUMENT("3+4i")

IMCONJUGATE (IMCONJUGATE)

1-i	=IMCONJUGATE("1+i")
1+i	=IMCONJUGATE("1-i")
6+8i	=IMCONJUGATE("6-8i")

IMCOS (IMCOS)

0,833730025131149-0,988897705762865i	=IMCOS("1+i")
0,437713625217675+1,12692895219814i	=IMCOS("5+i")

IMDIV (IMDIV)

5	=IMDIV("10+10i";"2+2i")
6,25-1,25i	=IMDIV("15+10i";"2+2i")

IMEXP (IMEXP)

1,46869393991589+2,28735528717884i	=IMEXP("1+i")
10,852261914198+16,9013965351501i	=IMEXP("3+i")

IMLN (IMLN)

0,346573590279973+0,785398163397448i	=IMLN("1+i")
1,15129254649702+0,321750554396642i	=IMLN("3+i")

IMLOG10 (IMLOG10)

0,627636252551653+0,34109408846046i	=IMLOG10("3+3i")
0,150514997831991+0,34109408846046i	=IMLOG10("1+i")
0,707486673985409+0,596460374525914i	=IMLOG10("1+5i")

IMLOG2 (IMLOG2)

1,85021985907055+1,41787163074572i	=IMLOG2("2+3i")
0,5+1,1330900354568i	=IMLOG2("1+i")

IMPOWER (IMPOWER)

-12+16i	=IMPOWER("2+4i";2)
122-597i	=IMPOWER("2+3i";5)
4	=IMPOWER("2";2)
4	=IMPOWER(2;2)
#HODNOTA!	=IMPOWER("2+3i";"2+3i")
#NÁZEV?	=IMPOWER(A;2)

IMPRODUCT (IMPRODUCT)

27+11i	=IMPRODUCT("3+4i";"1+2i")
2	=IMPRODUCT("1+i";"1-i")

IMREAL (IMREAL)

6	=IMREAL("6-9i")
6	=IMREAL("6-6j")
3	=IMREAL("3-9i")

IMSQRT (IMSQRT)

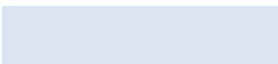
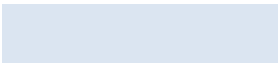
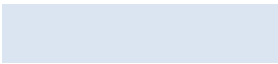
1,09868411346781+0,455089860562227i	=IMSQRT("1+i")
2+2i	=IMSQRT("0+8i")

IMSUB (IMSUB)

8+i	=IMSUB("13+4i";"5+3i")
0	=IMSUB("13+4i";"13+4")

IMSUM (IMSUM)

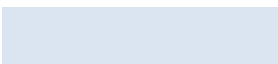
8+i	=IMSUM("3+4i";"5-3i")
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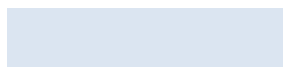
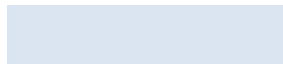
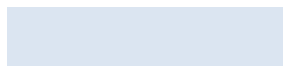
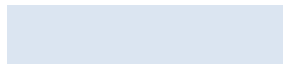
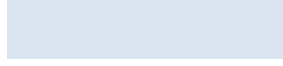


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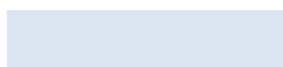




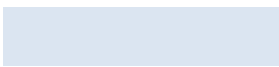
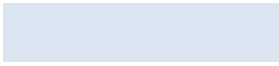
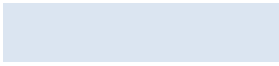
i")
i")



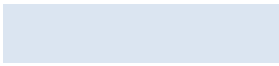
3i")



5-3i")
-i")



)
)



)



Prostor pro vaše poznámky

