CPX	Complex MENU - cat : CPX	Complex functions	Category: Mathematics

Menu	CPX	1	2	3	4	5	6
3	gShifted	CPXi (•)	CPXj ( )	CX→RE	RE→CX	RECT (•)	POLAR
2	fShifted	COMPLEX	CONJ	dot	cross	i	UNITV
1	primary	Re	Im	|x|	∠	Re≷Im	CC
Page	1	F1	F2	F3	F4	F5	F6

CPX	Page 1								
F-key	Button label	Full name	Extended description	Type	Flag name	Additional information	Catalog	Default	Status
F1	Re	Real part	Real part of complex number	Function			Re		
F2	Im	Imaginary part	Imaginary part of complex number	Function			Im		
F3	|x|	Magnitude	Magnitude (absolute value) of complex number	Function			|x|		
F4	∠	Argument (angle)	Argument (angle) of complex number	Function			∠		
F5	Re≷Im	Exchange real and imaginary part	Exchange real and imaginary part	Function			Re≷Im		
F6	CC	Compose-cut	Complex closing, composing, cutting, and converting	Function (nonpgm)		Info : a CC b ENTER returns a+bi or a∠b (using b angle tag or ADM) ; CC returns Y : a, X : b			
fShifted F1	COMPLEX	Complex	Convert to or from complex number	Function		Info : a ENTER b COMPLEX returns a+bi or a∠b (using b angle tag or ADM) ; COMPLEX returns Y : a, X : b	COMPLEX		
fShifted F2	CONJ	Conjugate	Conjugate	Function			CONJ		
fShifted F3	dot	Dot	Dot product	Function		Code : 8729	DOT		
fShifted F4	cross	Cross	Cross product	Function		Code : 215	CROSS		
fShifted F5	i	Imaginary number	Complex number i ; displayed according to flag CPXj (default: i)	Function	CPXj	Info : In NIM, works like CC ; RECT input assumed always	op_i		
fShifted F6	UNITV	Unit vector	Unit vector for complex number or matrix	Function			UNITV		
gShifted F1	CPXi	Imaginary i	Set for the letter i representing the imaginary number	Setting (pgm)	CPXj	Info : i or j displayed in stack and on soft buttons	CPXi (•)	ON	Radiobutton
gShifted F2	CPXj	Imaginary j	Set for the letter j representing the imaginary number	Setting (pgm)	CPXj	Info : i or j displayed in stack and on soft buttons	CPXj ( )	OFF	Radiobutton
gShifted F3	CX→RE	Complex to real	Convert complex to reals (in POLAR, using angle tag or ADM)	Function		TI : Re = ; Im = or r = ; θ = (2 stack levels)	CX→RE		
gShifted F4	RE→CX	Real to complex	Convert reals to complex (in , using angle tag or ADM)	Function			RE→CX		
gShifted F5	RECT	Rectangular	Rectangular display of complex numbers (internal value is RECT)	Setting (pgm)	POLAR	SBI : ⊾ ; Shortcut : FF X (TAM)	RECT (•)	ON	Radiobutton
gShifted F6	POLAR	Polar	Polar representation of complex numbers (internal value is RECT)	Setting (pgm)	POLAR	SBI : ⊙ ; Shortcut : FF X (TAM)	POLAR ( )	OFF	