

R47v0 Ref page : Vector display

Vector type	Full TI	Minimum TI	Full stack display	Minimum stack display	Element TI (stack levels)
Flag 3Dxyz = CLEAR (default)					
2D.Rectangular	$[ij]$	ij	$[ij] \ [v_1 \ v_2]$	$ij \ [v_1 \ v_2]$	$[i]=; [j]=$
3D.Rectangular	$[ijk]$	ijk	$[ijk] \ [v_1 \ v_2 \ v_3]$	$ijk \ [v_1 \ v_2 \ v_3]$	$[i]=; [j]=; [k]=$
2D.Polar	$[r\theta_{ij}]$	$r\theta$	$[r\theta_{ij}] \ [v_1 \ v_2]^p$	$r\theta \ [v_1 \ v_2]^p$	$[r]=; [\theta_{ij}]=$
3D.Cylindrical	$[r\theta_{ij}k]$	$r\theta k$	$[r\theta_{ij}k] \ [v_1 \ v_2 \ v_3]^c$	$r\theta k \ [v_1 \ v_2 \ v_3]^c$	$[r]=; [\theta_{ij}]=; [k]=$
3D.Spherical.M	$[\rho\theta_{ij}\phi_k]_M$	$\rho\theta\phi$	$[\rho\theta_{ij}\phi_k]_M \ [v_1 \ v_2 \ v_3]^s$	$\rho\theta\phi \ [v_1 \ v_2 \ v_3]^s$	$[\rho]=; [\theta_{ij}]=; [\phi_k]=$
3D.Spherical.P	$[\rho\phi_k\theta_{ij}]_P$	$\rho\phi\theta$	$[\rho\phi_k\theta_{ij}]_P \ [v_1 \ v_2 \ v_3]^s$	$\rho\phi\theta \ [v_1 \ v_2 \ v_3]^s$	$[\rho]=; [\phi_k]=; [\theta_{ij}]=$
Flag 3Dxyz = SET					
2D.Rectangular	$[xy]$	xy	$[xy] \ [v_1 \ v_2]$	$xy \ [v_1 \ v_2]$	$[x]=; [y]=$
3D.Rectangular	$[xyz]$	xyz	$[xyz] \ [v_1 \ v_2 \ v_3]$	$xyz \ [v_1 \ v_2 \ v_3]$	$[x]=; [y]=; [z]=$
2D.Polar	$[r\theta_{xy}]$	$r\theta$	$[r\theta_{xy}] \ [v_1 \ v_2]^p$	$r\theta \ [v_1 \ v_2]^p$	$[r]=; [\theta_{xy}]=$
3D.Cylindrical	$[r\theta_{xy}z]$	$r\theta z$	$[r\theta_{xy}z] \ [v_1 \ v_2 \ v_3]^c$	$r\theta z \ [v_1 \ v_2 \ v_3]^c$	$[r]=; [\theta_{xy}]=; [z]=$
3D.Spherical.M	$[\rho\theta_{xy}\phi_z]_M$	$\rho\theta\phi$	$[\rho\theta_{xy}\phi_z]_M \ [v_1 \ v_2 \ v_3]^s$	$\rho\theta\phi \ [v_1 \ v_2 \ v_3]^s$	$[\rho]=; [\theta_{xy}]=; [\phi_z]=$
3D.Spherical.P	$[\rho\phi_z\theta_{xy}]_P$	$\rho\phi\theta$	$[\rho\phi_z\theta_{xy}]_P \ [v_1 \ v_2 \ v_3]^s$	$\rho\phi\theta \ [v_1 \ v_2 \ v_3]^s$	$[\rho]=; [\phi_z]=; [\theta_{xy}]=$

Flag 3DPHYS = CLEAR (default)

Flag 3DPHYS = SET

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Flag 3DPHYS = SET

Vectors are stored internally as rectangular and calculation results are presented in rectangular format ; to edit a vector, first put it in rectangular format ; vector TI's are shown for values in X only and a small font may be used ; vector TI's are minimised if the stack changes or [EXIT] is pressed (only ijk or $r\theta k$ or $\rho\theta\phi$ is shown, without subscripts or brackets)

Application note : https://47calc.com/doc/Application%20Notes/AN0020_C47_R47_Matrix_and_Vector.pdf