

The Matrix representing R_z is given (12)

$\cos \gamma t \cdot (1 - \cos \theta)$ $+ (1 - \cos \gamma t) \sin^2 \theta \cos \phi$	$(1 - \cos \gamma t) \sin^2 \theta \sin \phi \cos \phi$ $- \sin \gamma t \cdot \cos \phi$	$(1 - \cos \gamma t) \cos \theta \sin \phi \cos \phi$ $+ \sin \gamma t \sin \phi \cos \phi$
$(1 - \cos \gamma t) \sin^2 \theta \cos \phi$ $+ \cos \gamma t$	$\cos \gamma t + (1 - \cos \gamma t) \sin^2 \theta \sin^2 \phi$	$(1 - \cos \gamma t) \cos \theta \sin \phi \sin \phi$ $- \sin \gamma t \sin \phi \sin \phi$
$- \sin \gamma t \sin \phi \cos \phi$ $+ (1 - \cos \gamma t) \sin^2 \theta \cos \phi$	$(1 - \cos \gamma t) \sin^2 \theta \sin \phi \cos \phi$ $+ \sin \gamma t \sin \phi \cos \phi$	$\cos \gamma t + (1 - \cos \gamma t) \cos^2 \theta$