



Comparing representations (so far)					
		3x3 Matrix		Euler Angles	
Space efficient? (in RAM, GPU, storage)		★☆☆☆☆	9 scalars	*****	3 scalars (even as small int!)
Efficient / easy to	Apply (to points/vectors)	★★★★☆	9 products (3 dot products)	★☆☆☆☆	requires trigonometry sin/cos
	Invert (produce inverse)	****	just transpose	★☆☆☆☆	
	Composite (with another rotation)	★★☆☆☆	Matrix multipl <sup>(9 dots)</sup> Numerical errors	★☆☆☆☆	
	Interpolate (with another rotation)	★☆☆☆☆	Introduces shear/scale		asy to do, unintuitive result shortest-path required!
Intuitive? (e.g. to manually set)		★★★☆☆		****	roll yaw pitch
Notes		Free extra shear + scale. Useful to extract local axes.		$\wedge$	GIMBAL LOCK















































