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Subject: Averaging quaternions

Posted by [GrahamWilsonCA](#) on Thu, 18 Mar 2004 22:34:05 GMT

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Does anyone know if it is possible to take an average of regularly sampled quaternions to get a mean orientation (i.e. a mean rotation matrix)? I seem to recall there being a trick involved but beyond re-normalizing the resulting (averaged) quaternion, I cannot remember what it is.

Cheers,  
Graham

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