

## ROTATIONS QUATERNIONS AND DOUBLE GROUPS

Sep 27, 2020



### [Quaternions and 3d rotation, explained interactively](#)

Quaternions and 3d rotation, explained interactively von 3Blue1Brown vor 1 Jahr 5 Minuten, 59 Sekunden 470.330 Aufrufe Go experience the explorable videos: <https://eater.net/>, quaternions , Ben Eater's channel: <https://www.youtube.com/user/eaterbc> ...

### [Visualizing quaternions \(4d numbers\) with stereographic projection](#)

Visualizing quaternions (4d numbers) with stereographic projection von 3Blue1Brown vor 2 Jahren 31 Minuten 1.626.860 Aufrufe How to think about this 4d number system in our 3d space. Brought to you by you: <http://3b1b.co/>, quaternion , -thanks Part 2: ...

### [Rotations and quaternions](#)

Rotations and quaternions von NPTEL-NOC IITM vor 1 Jahr 50 Minuten 2.359 Aufrufe

### [Quaternion Double-cover and the Rest Pose Neighborhood - 2006](#)

Quaternion Double-cover and the Rest Pose Neighborhood - 2006 von Casey Muratori vor 4 Jahren 27 Minuten 4.976 Aufrufe For more details, see [https://caseymuratori.com/blog\\_0002](https://caseymuratori.com/blog_0002).

### [Math for Game Developers - Quaternions and Vectors](#)

Math for Game Developers - Quaternions and Vectors von Jorge Rodriguez vor 7 Jahren 13 Minuten, 41 Sekunden 37.497 Aufrufe We learn how to , rotate , a vector using a , quaternion , . During the video I said that I'd link a , book , where you can find the derivation of ...

### [Quaternions Explained Briefly](#)

Quaternions Explained Briefly von Mathoma vor 4 Jahren 17 Minuten 228.166 Aufrufe This is a video I have been wanting to make for some time, in which I discuss what the , quaternions , are, as mathematical objects, ...

### [Feynman's Lost Lecture \(ft. 3Blue1Brown\)](#)

Feynman's Lost Lecture (ft. 3Blue1Brown) von minutephysics vor 2 Jahren 21 Minuten 1.982.271 Aufrufe Check out Grant's channel: 3blue1brown: <https://www.youtube.com/3blue1brown> This video recounts a lecture by Richard ...

### [Divergence and curl: The language of Maxwell's equations, fluid flow, and more](#)

Divergence and curl: The language of Maxwell's equations, fluid flow, and more von 3Blue1Brown vor 2 Jahren 15 Minuten 1.643.767 Aufrufe See below for small-but-important error correction) More thoughts from the end: <https://www.patreon.com/posts/19586800> Special ...

### [Why Herrmann Minkowski Led Physics Astray](#)

Why Herrmann Minkowski Led Physics Astray von Unzicker's Real Physics vor 5 Monaten 30 Minuten 56.901 Aufrufe Talk given at the DPG meeting 2019 in Munich.

### [Euler's Formula for the Quaternions](#)

Euler's Formula for the Quaternions von Mathoma vor 5 Jahren 25 Minuten 34.047 Aufrufe In this video, we will derive Euler's formula using a , quaternion , power, instead of a complex power, which will allow us to calculate ...

### [\[Tutorial\] Rotationsmatrix in 3D mit Quaternion](#)

[Tutorial] Rotationsmatrix in 3D mit Quaternion von Balzer82 vor 6 Jahren 16 Minuten 19.874 Aufrufe <http://www.cbcity.de/tutorial-rotationsmatrix-und-, quaternion , -einfach-erklart-in-din70000-zyx-konvention>.

### [Bridges 2014 talk: The quaternion group as a symmetry group](#)

Bridges 2014 talk: The quaternion group as a symmetry group von Henry Segerman vor 6 Jahren 26 Minuten 3.431 Aufrufe This is a talk I gave at the Bridges conference on mathematics and the arts (<http://bridgesmathart.org/>), on 18th August 2014, about ...

### [Quaternions and Fundamental Physics](#)

Quaternions and Fundamental Physics von Unzicker's Real Physics vor 6 Monaten 37 Minuten 6.574 Aufrufe Talk given at the workshop \"New trends in , Quaternions , and Octonions\" in Guarda 2020.

### [Lie Groups and Lie Algebras: Lesson 2 - Quaternions](#)

Lie Groups and Lie Algebras: Lesson 2 - Quaternions von XylyXylyX vor 1 Jahr 44 Minuten 10.199 Aufrufe This video is about Lie , Groups , and Lie Algebras: Lesson 2 - , Quaternions , We study the algebraic nature of , quaternions , and cover ...

### [C# Quaternions in Unity! - Intermediate Scripting Tutorial](#)

C# Quaternions in Unity! - Intermediate Scripting Tutorial von Unity vor 1 Monat 5 Minuten, 21 Sekunden 18.304 Aufrufe Quaternions , are a system of rotation that allowed for smooth incremental , rotations , in objects. In this video, you'll learn about the ...

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## Rotations Quaternions And Double Groups

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