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Rotation Vectors And Fixed Points Rotation Vectors And Fixed Points The coordinates of a point P may change due to either a rotation of the coordinate system CS , or a rotation of the point P . In the latter case, the rotation of P also produces a rotation of the vector v representing P . In other words, either P Page 4/29.

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We consider the (homological) rotation vectors for area preserving diffeomorphisms of compact surfaces which are homotopic to the identity. There are two main results. The first is that if 0 is in the interior of the convex hull of the rotation vectors for such a diffeomorphism then f has a fixed point of positive index.

Rotation vectors and fixed points of area preserving ...

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of them having an entire n -dimensional flat of fixed points in a n -dimensional space. A clockwise rotation is a negative magnitude so a counterclockwise turn has a

Rotation (mathematics) - Wikipedia

the rotation Ω will rotate the vector w , changing its direction. The magnitude of w' is Ωw , the direction is normal to w ; by Coriolis theorem, the result is $w' = \Omega \times w$. It is interesting to note that this result is independent of the distance b between the wheel and the axis of rotation for Ω . This is a consequence of our

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