

Figure 3 Change of L in an inertial frame

Conclusion

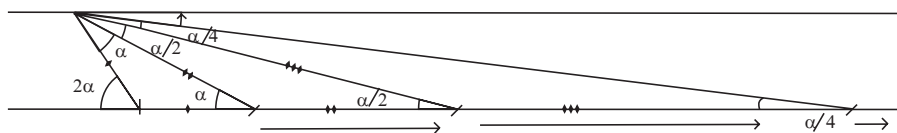
The last implicit supposition in our analysis was that the eigenvalues were distinct. This, at least, is not always true. What would happen if two of the eigenvalues were the same? What if all *three* were the same? What would that imply about the rotating object?

Acknowledgments. The author would like to thank Drs. Scott Franklin and George Thurston of RIT's Department of Physics for their time and conversation regarding this article.

REFERENCES

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Proof Without Words: Sum of a Geometric Series via Equal Base Angles in Isosceles Triangles



$$\alpha + \frac{\alpha}{2} + \frac{\alpha}{4} + \dots = \sum_{n=0}^{\infty} \frac{\alpha}{2^n} = 2\alpha$$

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