

# Advanced Vehicle Dynamics (Semester 1)

View Online



Balkwill, James. Performance Vehicle Dynamics: Engineering and Applications. Oxford: Butterworth-Heinemann, 2018.

<https://linker2.worldcat.org/?jHome=https%3A%2F%2Ffoxfordbrookes.idm.oclc.org%2Flogin%3Furl%3Dhttps%3A%2F%2Ffoxfordbrookes.idm.oclc.org%2Flogin%3Furl%3Dhttps%3A%2F%2Fwww.vlebooks.com%2Fvleweb%2Fproduct%2Fopenreader%3Fid%3DOxfBrookes%26isbn%3D9780128126943%26uid%3D%5Eu&linktype=best&jHomeSig=651e6f0aeaf8d94ba9862f1369185b37bd915d40b2c8f4ee63a98d2d70c07014>.

Blundell, Michael, and Damian Harty. Multibody Systems Approach to Vehicle Dynamics. Oxford: Butterworth-Heinemann, 2004.

<https://ebookcentral-proquest-com.oxfordbrookes.idm.oclc.org/lib/brookes/detail.action?docID=288839>.

———. The Multibody Systems Approach to Vehicle Dynamics. Second edition. Amsterdam: Butterworth-Heinemann, 2015.

<https://linker2.worldcat.org/?jHome=https%3A%2F%2Ffoxfordbrookes.idm.oclc.org%2Flogin%3Furl%3Dhttps%3A%2F%2Ffoxfordbrookes.idm.oclc.org%2Flogin%3Furl%3Dhttps%3A%2F%2Fwww.vlebooks.com%2Fvleweb%2Fproduct%2Fopenreader%3Fid%3DOxfBrookes%26isbn%3D9780080994284%26uid%3D%5Eu&linktype=best&jHomeSig=1a9c7aa94e3ed080d5478f3770072859b67a2df369435efabf7c7a55d9f8589e>.

Dukkipati, Rao V. Vehicle Dynamics. Delhi: Narosa, 2000.

French, Tom. Tyre Technology. Bristol: A. Hilger, 1989.

Genta, G. Motor Vehicle Dynamics: Modeling and Simulation. Vol. Series on advances in mathematics for applied sciences. Singapore: World Scientific, 1997.

<https://linker2.worldcat.org/?jHome=https%3A%2F%2Ffoxfordbrookes.idm.oclc.org%2Flogin%3Furl%3Dhttps%3A%2F%2Ffoxfordbrookes.idm.oclc.org%2Flogin%3Furl%3Dhttps%3A%2F%2Fwww.vlebooks.com%2Fvleweb%2Fproduct%2Fopenreader%3Fid%3DOxfBrookes%26isbn%3D9789812819765%26uid%3D%5Eu&linktype=best&jHomeSig=08e26b1a560cc6444e96405e6ccfeb2cba089a7d155c69cf2b8101d02fc53174>.

Genta, Giancarlo, and Alessandro Genta. Road Vehicle Dynamics. New Jersey: World Scientific, 2015.

<https://linker2.worldcat.org/?jHome=https%3A%2F%2Ffoxfordbrookes.idm.oclc.org%2Flogin%3Furl%3Dhttps%3A%2F%2Ffoxfordbrookes.idm.oclc.org%2Flogin%3Furl%3Dhttps%3A%2F%2Fwww.vlebooks.com%2Fvleweb%2Fproduct%2Fopenreader%3Fid%3DOxfBrookes%26isbn%3D9789814713443%26uid%3D%5Eu&linktype=best&jHomeSig=e35a0888b1c7502df4be9cc1e33f10c76d3a515cce84d60708774b33f276dab0>.

- Gillespie, T. D. *Fundamentals of Vehicle Dynamics*. Warrendale, Pa: Society of Automotive Engineers, 1992.  
<https://linker2.worldcat.org/?jHome=https%3A%2F%2Foxfordbrookes.idm.oclc.org%2Flogin%3Furl%3Dhttps%3A%2F%2Fsearch.ebscohost.com%2Flogin.aspx%3Fdirect%3Dtrue%26scope%3Dsite%26db%3Dnlebk%26AN%3D3040054&linktype=best&jHomeSig=31432fbc41e022212a3b44c6d50843d05639862b78a37d6094758f1e9050eb04>.
- Gillespie, T. D. *Fundamentals of Vehicle Dynamics*. Edited by Saied Taheri, Corina Sandu, and Benjamin L. Duprey. Revised edition. Warrendale, Pennsylvania: SAE International, 2021.  
<https://oxfordbrookes.idm.oclc.org/login?url=https://search.ebscohost.com/login.aspx?direct=true&db=nlebk&AN=3040054&site=ehost-live>.
- Haney, Paul and Society of Automotive Engineers. *The Racing & High-Performance Tire: Using the Tires to Tune for Grip and Balance*. Warrendale, Pa: Society of Automotive Engineers, 2003.
- Hillier, V. A. W. *Hillier's Fundamentals of Automotive Electronics: Book 2*. 6th ed. Cheltenham: Nelson Thornes, 2012.
- Hillier, V. A. W., Calex UK., and Institute of the Motor Industry. *Hillier's Fundamentals of Motor Vehicle Technology: Book 1*. 6th ed. Cheltenham: Nelson Thornes, 2012.  
<http://www.vlebooks.com.oxfordbrookes.idm.oclc.org/Vleweb/Product/Index/430818?page=0>.
- Milliken, William F. and Milliken, Douglas L. *Race Car Vehicle Dynamics*. Warrendale, Pa: Society of Automotive Engineers, 1995.
- Reimpell,  
 Jo  
 ..
- rnsen and Stoll, Helmut. *Automotive Chassis: Engineering Principles*. London: Edward Arnold, 1996.  
<http://www.vlebooks.com.oxfordbrookes.idm.oclc.org/Vleweb/Product/Index/35016?page=0>.
- Smith, Carroll. *Engineer to Win*. Osceola, Wis: Motorbooks International, 1984.
- . *Tune to Win*. Fallbrook, Calif: Aero, 1978.
- Smith, Josh. *Smith's Fundamentals of Motorsport Engineering*. Cheltenham: Nelson Thornes, 2013.
- Staniforth, Allan. *Competition Car Suspension: A Practical Handbook*. 4th ed. Sparkford: Haynes, 2006.
- Wong, J. Y. *Theory of Ground Vehicles*. 4th ed. Hoboken, N.J.: Wiley, 2008.
- Wright, Peter. *Formula 1 Technology*. Warrendale, Pa: Society of Automotive Engineers, 2001.  
<https://oxfordbrookes.idm.oclc.org/login?url=https://search.ebscohost.com/login.aspx?direct=true&db=nlebk&AN=3039893&site=ehost-live>.