



Calculus

Dynamic Mathematics

Volume 2

Third Edition

Calculus
Dynamic Mathematics, Volume 2

Third Edition

Garner

RMMT

Chuck Garner

Calculus: Dynamic Mathematics, Volume 2, is the second volume of a two-year calculus sequence intended for high school students. This volume includes topics found in the AP Calculus BC curriculum, such as polar, vectors, parametric equations, and infinite series, along with multivariable calculus topics. The multivariable topics include partial differentiation and their applications, multiple integrals, line integrals, and surface integrals, as well as an introduction to linear algebra.

Chuck Garner holds a Ph.D. in mathematics and has been a teacher since 1994. Since 2001, he teaches mathematics at the Rockdale Magnet School for Science and Technology and he sponsors the school's award-winning Math Team. He is a member of the American Mathematical Society, the Canadian Society for the History and Philosophy of Mathematics, the T_EX Users Group, the Mathematical Association of America, the Georgia Council of Teachers of Mathematics, and the Georgia Association of AP Math Teachers. He has served on the MAA Board of Governors and the Georgia Department of Education's Math Advisory Council, as well as Vice-President and as Treasurer of GCTM, as Secretary-Treasurer of GAAPMT, and as the MAA representative to the Mu Alpha Theta Governing Council. He has received GCTM's Award for Excellence in Mathematics Teaching, the Dwight Love Award for Distinguished Contributions to Mathematics Education, the MIT Inspirational Teacher Award, the Stanford University Teacher Award, the Yale University Educator Award, GAAPMT's John Neff Award for Outstanding Contributions to AP Mathematics, and the Gladys M. Thomason Award for Lifetime Achievement in Mathematics Education.

RMMT Publishing
Conyers, Georgia, USA

AP is a registered trademark of the College Board, which was not involved in the production of, and does not approve or endorse, this book.