Relativity From Mathematics or Why Newton Could Have Beaten Einstein to the Punch

Diego Castano, Ph.D. is an associate professor of physics in the Halmos College of Natural Sciences. Special Relativity was developed by Albert Einstein and relied crucially on Electromagnetism, a theory not fully developed until 1873. Yet there is nothing in the basic theory's development that requires physics beyond what Newton knew. A derivation of the theory based on Newton's laws and mathematical consistency is presented.