

1145-VJ-1437      **John A. Rock\***, Mathematics and Statistics, Cal Poly Pomona, 3801 W Temple Ave, Pomona, CA 91768. *RIP: The Best Approach to Integration by Parts*.

Many of us have heard of the tabular method for integration by parts. However, it's a misunderstood trick which is not as limited as its reputation suggests. By constructing a table with the emphasis placed on each row—and therefore, placed on each new integral—the tabular method becomes an efficient bookkeeping technique for {any} application of integration by parts. This talk features several examples showcasing the utility of the technique, referred to as 'row integration by parts' or simply 'RIP', and includes the tic-tac-toe example made famous by the film "Stand and Deliver". Additionally, the RIP method allows for an elegant derivation of Taylor's Formula with integral remainder and other major results in analysis. RIP is both easy use and easy to learn. Give it a shot. Your students will thank you. (Received September 21, 2018)