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**Finding sums for an infinite class of alternating series.**

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Summary: Calculus II students know that many alternating series are convergent by the alternating series test. However, they know few alternating series (except geometric series and some trivial ones) for which they can find the sum. In this article, we present a method that enables the students to find sums for infinitely many alternating series in the following form

$$\sum_{n=1}^{\infty} \frac{(-1)^{n+1}}{(a_1n + b_1)(a_2n + b_2) \dots (a_kn + bk)}.$$

*Classification:* I35 N45

*Keywords:* alternating series; sum of series; recursive formula

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