Calligramath

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1 Introduction

`calligra.sty` provides a callagrphic font for use in LaTeX documents in paragraph mode. The font itself was created by Peter Vanroose in 1992 using METAFONT. In some eareas in math and science, callagriphic symbols are commonplace. `\mathcal` Provides uppercase calligrphic symbols, but lowercase symbols are missing. Notably, David Griffiths uses a lowercase cursive r prominently in his *Introcution to Electrodynamics*. I attempted to use `calligra.sty` to fill this gap but found it did not work in math mode. Furthermore, even if it did, it's designed for writting words in a cursive font, so the letter join together. But in math, we want each symbols to stand alone. I therefore creative this package which imports `calligra.sty` font as a math font so that it would work in math mode. I adjusted the space before and after each character so that even two calligrphic characters next to each other would not join. I've also created macros for making bold calligrphic characters using `\pmb`.