My program currently handles 0 as an integer; and it handles 0.0, .0, and 0. as real numbers all equal to 0

It also interprets just a single decimal "." as the real number 0, since that expression technically contains only numbers and a decimal and atof(.) is valid. Is this ok, or should the single "." be flagged as invalid input?

Technically speaking, . should not be considered real zero, but I won't test for that (I consider that bad input).