Subject: Double comparison
Posted by hsknutson on Wed, 08 Feb 2017 20:20:03 GMT
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To test if two doubles are equal should we do:
double a == double b
OR
fabs(double a - double b) < epsilon. You could also do relative error instead of absolute error here.

Subject: Re: Double comparison
Posted by lusth on Wed, 08 Feb 2017 23:29:19 GMT
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I think a computer engineer could answer this best, but I think the latter is the correct way. However, for the tests I am going to be running, the former will work. It issue has to do with the fact that some floating point numbers cannot be represented exactly.