CoCoALib - Bug #199

CFApprox: division by zero

29 Jun 2012 14:48 - Anna Maria Bigatti

Status: Start date: Closed 29 Jun 2012 **Priority:** Normal Due date: % Done: Assignee: John Abbott 100% Category: Maths Bugs **Estimated time:** 0.75 hour Target version: CoCoALib-0.9952 Spent time: 0.75 hour Description /**/ CFApprox(-0.51, 1/10); *********** ****CoCoA ERROR**** ErrCode: CoCoA::ERR::DivByZero ****CoCoA ERROR**** Message: Division by zero or by a zero-divisor ****CoCoA ERROR**** Context: BigRat(N1,N2) ****CoCoA ERROR**** File: BigRat.C ****CoCoA ERROR**** Line: I guess the problem is in ContFracIter::operator++ myFrac = 1/(myFrac - myQuot); // strictly positive!

History

#1 - 29 Jun 2012 16:49 - John Abbott

- % Done changed from 0 to 100

The bug was a consequence of when I changed the definition of integer division (from round towards -infinity to round towards zero).

I have added a new test-NumTheory3.C specifically for this bug.

#2 - 29 Jun 2012 17:17 - John Abbott

- Status changed from New to Closed

I forgot to close the issue and to count CVS time etc.

#3 - 29 Jun 2012 17:23 - Anna Maria Bigatti

- Assignee set to John Abbott
- Target version set to CoCoALib-0.9952
- Estimated time set to 0.75 h

19 Apr 2024 1/1