

## Synergia2 - Bug #9199

### can't create a stepper when an accelerating cavity is present before a combined function sbend containing a quadrupole component

06/13/2015 04:38 PM - Eric Stern

<b>Status:</b> Closed	<b>Start date:</b> 06/13/2015
<b>Priority:</b> Normal	<b>Due date:</b>
<b>Assignee:</b>	<b>% Done:</b> 0%
<b>Category:</b>	<b>Estimated time:</b> 0.00 hour
<b>Target version:</b>	
<b>Description</b>	
registration throws an exception	
<pre>*** ERROR *** *** ERROR *** File: /home/egstern/syn2-dev/build/chef-libs/beamline/src/CF_sbend.cc, Line: 665 *** ERROR *** double CF_sbend::getQuadrupole() const *** ERROR *** Discrepancy in quadrupole strengths: 1.64831 != 1.64827 *** ERROR *** *** ERROR *** This message is printed only once. *** ERROR *** Traceback (most recent call last):   File "cyclo.py", line 239, in &lt;module&gt;     stepper = synergia.simulation.Split_operator_stepper(lattice, 1, coll_operator, opts.steps) RuntimeError: *** ERROR *** *** ERROR *** File: /home/egstern/syn2-dev/build/chef-libs/beamline/src/CF_sbend.cc, Line: 665 *** ERROR *** double CF_sbend::getQuadrupole() const *** ERROR *** Discrepancy in quadrupole strengths: 1.64831 != 1.64827 *** ERROR ***</pre>	

## History

### #1 - 06/13/2015 04:40 PM - Eric Stern

- Status changed from New to Resolved

Fixed in commit:929d2cdccd8520e745a1ce5bbdeceb9d43f1e502

When element.setStrength() is called, we need to also adjust the member data integrated\_strengths\_

### #2 - 06/13/2015 04:43 PM - Eric Stern

- Status changed from Resolved to Closed