

How do I create a simple solenoid using the compact description

Add a field of type Solenoid to the fields of the compact description.

```
<fields>
  <field type="Solenoid" name="GlobalSolenoid"
    inner_field="5.0"
    outer_field="-0.6"
    zmax="1000"
    outer_radius="144*cm+(2+1)*34*cm" />
</fields>
```

The **inner_field** is applied to radii with the **outer_radius** while the **outer_field** is applied to radii outside this distance.

The **zmax** attribute specifies an absolute z value after which the field is no longer applied. (There is no "fall off" implemented.)