Kripke - Scattering Kernel

for(int nm = 0; nm < num moments; ++nm)</pre>

```
datalayout=enum("DZG","DGZ","GDZ","GZD","ZDG","ZGD");
CodeReg Scattering {
  if (datalayout == "DGZ") {
     omploop="0.0.0.0";
  } elif (datalayout == "GDZ") {
     looporder=[1,2,0,3,4];
     omploop="0.0.0.0";
  } elif (datalayout == "GZD") {
     looporder=[1,2,3,4,0];
     omploop="0.0.0";
  } elif (datalayout == "ZGD") {
     looporder=[3,4,1,2,0];
     omploop="0";
  } elif (datalayout == "ZDG") {
     looporder=[3,4,0,1,2];
     omploop="0";
  } elif (datalayout == "DZG") {
     looporder=[0,3,4,1,2];
     omploop="0.0";
  sourcepath="scatter "+datalayout+".txt";
  BuiltIn.Altdesc(stmt="0.0.0.0.0.3", source=sourcepath);
  RoseLocus.Interchange(order=looporder);
  RoseLocus.LICM();
 RoseLocus.ScalarRepl();
  Pragma.OMPFor(loop=omploop);
```



Kripke - Scattering Kernel

```
datalayout=enum("DZG", "DGZ", "GDZ", "GZD", "ZDG", "ZGD");
CodeReg Scattering {
  if (datalayout == "DGZ") {
     omploop="0.0.0.0";
  } elif (datalayout == "GDZ") {
     looporder=[1,2,0,3,4];
     omploop="0.0.0.0";
  } elif (datalayout == "GZD") {
     looporder=[1,2,3,4,0];
     omploop="0.0.0";
  } elif (datalayout == "ZGD") {
     looporder=[3,4,1,2,0];
     omploop="0";
  } elif (datalayout == "ZDG") {
     looporder=[3,4,0,1,2];
     omploop="0";
  } elif (datalayout == "DZG") {
     looporder=[0,3,4,1,2];
     omploop="0.0";
  sourcepath="scatter "+datalayout+".txt";
  BuiltIn.Altdesc(stmt="0.0.0.0.0.3", source=sourcepath);
  RoseLocus.Interchange(order=looporder);
  RoseLocus.LICM();
 RoseLocus.ScalarRepl();
  Pragma.OMPFor(loop=omploop);
```