

---

Subject: Re: [DISCUSSION] Add 'complex' datatype, to Value too  
Posted by [kohait00](#) on Tue, 05 Jul 2011 11:28:07 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

got sth workin.. i think it would do it. thanks for the hints..

attached are Complex.h and Complex.cpp for Core.  
the attached patch is to include them properly...

cdouble is derived from std::complex. i wanted cdouble to have as little code as possible and use native external means, except for where not otherwise possible like Value conversion.

if this could go to Core, the posted plugin/kissfft (see above) is also possible..

test

```
void Test(const cdouble& c) { RLOG(c); }
```

```
CONSOLE_APP_MAIN
```

```
{  
  cdouble y(1.,5.);  
  cdouble x = 12;
```

```
  //cdouble handling  
  double d = y.real();  
  y+=3.;
```

```
  //cdouble to value conversion test  
  Value v = RichToValue(y);  
  v = y;  
  int type = v.GetType();
```

```
  Vector<cdouble> vc;  
  vc.Add(12);
```

```
  //Value to cdouble conversion test  
  x = v;
```

```
  //Null handling  
  Test(Null);  
  x = Null;
```

```
  bool b;  
  b = (v == x);  
  b = (x == v);  
  b = (v != x);  
  b = (x != v);
```

}

## File Attachments

---

- 1) [comp.svn.patch](#), downloaded 332 times
  - 2) [Complex.h](#), downloaded 374 times
  - 3) [Complex.cpp](#), downloaded 584 times
-