
Subject: Re: Complex numbers..How to use in upp??
Posted by [dolik.rce](#) on Sat, 17 Sep 2011 10:12:30 GMT
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There is a support for complex numbers in U++ Core: the Complex class. See `uppsrc/Core/Complex.h` for some details. It is based on the `std::complex` that Javier recommended in previous post, but adds some integration with U++, e.g. Value compatibility.

Simple usage:`#include <Core/Core.h>`

`using namespace Upp;`

```
CONSOLE_APP_MAIN{
    Complex a(1,2);
    Cout() << "a = " << a << "\n";
    Cout() << "Im(a) = " << a.imag() << "\n";
    Cout() << "Re(a) = " << a.real() << "\n";
    Cout() << "|a| = " << abs(a) << "\n";
    Cout() << "2a = " << Complex(a+a) << "\n";
    Cout() << "a^2 = " << Complex(a*a) << "\n";
}
```

Best regards,
Honza
