Subject: Re: Nested template question Posted by Novo on Mon, 10 Jun 2019 18:42:55 GMT View Forum Message <> Reply to Message

struct AZero { template <typename T> operator T() const {return 0;}

template <typename T>
operator std::complex<T>() const {return std::complex<T>(0, 0);}
};

double val = AZero(); std::complex<float> valc1 = AZero(); std::complex<double> valc2 = AZero(); Checked with Clang.

What you are trying to do is

template <typename T> T GetAZero() {return 0;} template <typename T> std::complex<T> GetAZero<class std::complex<T>>() {return std::complex<T> (0, 0);} It won't compile because this is partial function specialization, which is allowed only for classes.

The way I implemented this is also partial function specialization, but for some reason it compiles :roll:

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