

## limits.cm

```
/*  
  
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    http://sourceforge.net/projects/cmajor/  
  
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    (See accompanying LICENSE.txt or http://www.gnu.org/licenses/gpl.html  
    )  
  
*/  
  
// Copyright (c) 1994  
// Hewlett-Packard Company  
// Copyright (c) 1996  
// Silicon Graphics Computer Systems, Inc.  
// Copyright (c) 2009 Alexander Stepanov and Paul McJones  
  
namespace System  
{  
    public inline nothrow byte MinValue(byte)  
    {  
        return cast<byte>(0x00);  
    }  
  
    public inline nothrow byte MaxValue(byte)  
    {  
        return cast<byte>(0xFF);  
    }  
  
    public inline nothrow sbyte MinValue(sbyte)  
    {  
        return cast<sbyte>(0x80);  
    }  
  
    public inline nothrow sbyte MaxValue(sbyte)  
    {  
        return cast<sbyte>(0x7F);  
    }  
  
    public inline nothrow short MinValue(short)  
    {  
        return cast<short>(0x8000);  
    }  
  
    public inline nothrow short MaxValue(short)  
    {  
        return cast<short>(0x7FFF);  
    }  
}
```

```

public inline nothrow ushort MinValue(ushort)
{
    return cast<ushort>(0x0000);
}

public inline nothrow ushort MaxValue(ushort)
{
    return cast<ushort>(0xFFFF);
}

public inline nothrow int MinValue(int)
{
    return cast<int>(0x80000000);
}

public inline nothrow int MaxValue(int)
{
    return cast<int>(0x7FFFFFFF);
}

public inline nothrow uint MinValue(uint)
{
    return cast<uint>(0x00000000);
}

public inline nothrow uint MaxValue(uint)
{
    return cast<uint>(0xFFFFFFFF);
}

public inline nothrow long MinValue(long)
{
    return cast<long>(0x8000000000000000);
}

public inline nothrow long MaxValue(long)
{
    return cast<long>(0x7FFFFFFFFFFFFFFF);
}

public inline nothrow ulong MinValue(ulong)
{
    return cast<ulong>(0x0000000000000000);
}

public inline nothrow ulong MaxValue(ulong)
{
    return cast<ulong>(0xFFFFFFFFFFFFFFFF);
}

public inline nothrow I MinValue<I>()
{
    return MinValue(cast<I>(0));
}

```

```
}  
  
public inline nothrow I MaxValue<I>()  
{  
    return MaxValue(cast<I>(0));  
}  
}
```