
Subject: Possible inconsistency with Rect::Contains() right-bottom bounds?

Posted by [Oblivion](#) on Sun, 16 Feb 2020 12:06:40 GMT

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

Hello,

I've noticed that:

```
template <class T>
bool Rect_<T>::Contains(T x, T y) const {
    return x >= left && x < right && y >= top && y < bottom;
}
```

```
    ---      ---
    x          x
```

```
template <>
inline bool Rect_<double>::Contains(double x, double y) const {
    return x >= left && x <= right && y >= top && y <= bottom;
}
```

```
    ---      ---
    ^          ^
```

```
template <class T>
bool Rect_<T>::Contains(const Rect_<T>& r) const {
    return r.left >= left && r.top >= top && r.right <= right && r.bottom <= bottom;
}
```

```
    ---      ---
    ^          ^
```

Best regards,
Oblivion
