
Subject: FormatE() with 0.0

Posted by [koldo](#) on Tue, 01 Aug 2023 06:35:52 GMT

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Hi to all

When using FormatE() with a 0, the function seems to avoid considering some formatting flags, like FD_CAP_E and FD_MINIMAL_EXP.

An example:

```
Cout() << FormatE(0.0, 2, FD_CAP_E | FD_EXP | FD_MINIMAL_EXP); // 0.00e+00
```

```
Cout() << FormatE(1234, 2, FD_CAP_E | FD_EXP | FD_MINIMAL_EXP); // 1.23E3
```

In CvFlt.cpp, line 292, FormatE() function does this (the comments are added):

```
char *FormatE(char *t, double x, int precision, dword flags)
```

```
{  
    ...  
    if(!x) { // Value is zero  
        *t++ = '0';  
        if(precision) {  
            do_point(t, flags);  
            tCat(t, '0', precision);  
        }  
        tCat(t, "e+00", 4); // The "e+00" is forced  
    }  
    ...  
}
```