**Расчетно-графическая работа №4**

X2 = 1100010,010002 = 0.110001001000 \* 10111

Y10 = 89,33 = 1011001,0101012 = 0.1011001010101 \* 10111

-Y2 = -0.1011001010101 \* 10111

1. **Выравнивание порядков**

Pz = max(Px, Py) // 111

1. **Вычитание мантисс**

n = 16

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Mx= | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| My= | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 |
| Myобр | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | Mxобр |
|  | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | Myобр |
| ~~1~~ | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | Mzобр |

1. **Нормализация**

Pz = 7 – 3 = 4

Mzобр ←←← : 100011101011 \* 24 = 1000.11101011

Абсолютная погрешность: 8,921875 - 8.91796875 = 0,00390625

Относительная погрешность: 0,00390625 / 8,921875 \* 100 = 0,0437%