**Расчетно-графическая работа №4**

X2 = 1110101,010112 = 0. 111010101011\* 10111

Y10 = 81,81= 1010001.110012 = 0.101000111001 \* 10111

-Y2 = -0.101000111001 \* 10111

1. **Выравнивание порядков**

Pz = max(Px, Py) // 111

1. **Вычитание мантисс**

n = 16

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

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

1. **Нормализация**

Pz = 7 – 1 = 6

Mzобр ← : 0,10001110001111 \* 26 = 100011,10001111

Абсолютная погрешность: | 35,53375 - 35,55859375 | = 0,02484375‬

Относительная погрешность: 0,02484375 / 35,53375 \* 100 = 0,0699%