

Aufgabe 7

Average number of elements

n=1000

t=5

Average NoOfElements

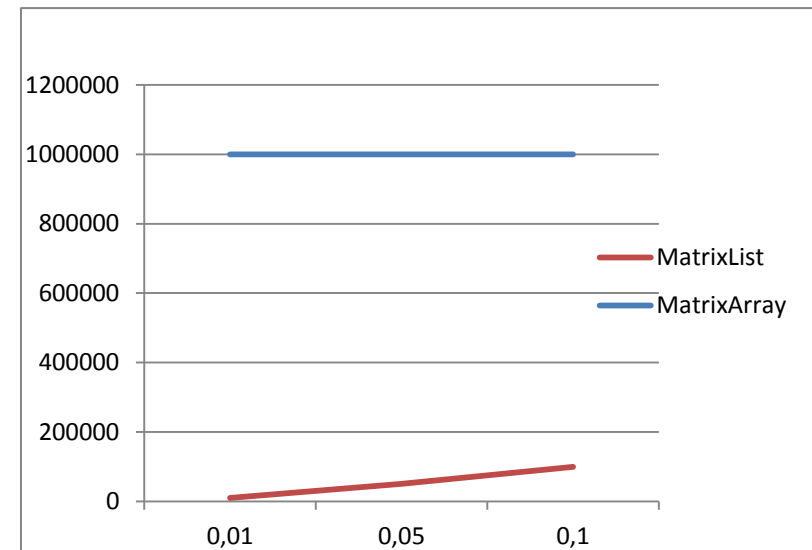
| p | MatrixList |
|------|------------|
| 0,01 | 9946 |
| 0,05 | 50088,2 |
| 0,1 | 99693,4 |

Average NoOfElements

| p | MatrixArrayList |
|------|-----------------|
| 0,01 | 9946 |
| 0,05 | 50088,2 |
| 0,1 | 99693,4 |

Average NoOfElements

| p | MatrixArray |
|------|-------------|
| 0,01 | 1000000 |
| 0,05 | 1000000 |
| 0,1 | 1000000 |



Aufgabe 8

Versuch 1: Anzahl der Dereferenzierungen

n= 60

t= 15

| p | ListenAdd Average | ListenAdd Variance | Overhead - AccessCount/n ² |
|------|-------------------|--------------------|---------------------------------------|
| 0,01 | 142015,7 | 474503863,7 | 39,4487963 |
| 0,05 | 622421,0 | 2912721758,1 | 172,8947222 |
| 0,1 | 1249198,7 | 2165148774,1 | 346,9996481 |

| p | ListenMult Average | ListenMult Variance | Overhead - AccessCount/n ² |
|------|--------------------|---------------------|---------------------------------------|
| 0,01 | 8520940,0 | 1708213909200,0 | 2366,927778 |
| 0,05 | 37345260,0 | 10485798329314,2 | 10373,68333 |
| 0,1 | 74951924,0 | 7794535586640,0 | 20819,97889 |

| p | ArrayListAdd Average | ArrayListAdd Variance | Overhead - AccessCount/n ² |
|------|----------------------|-----------------------|---------------------------------------|
| 0,01 | 2365,9 | 131114,1 | 0,657203704 |
| 0,05 | 10383,0 | 822370,0 | 2,884166667 |
| 0,1 | 20835,9 | 7794535586640,0 | 5,787740741 |

| p | ArrayListMult Average | ArrayListMult Variance | Overhead - AccessCount/n ² |
|------|-----------------------|------------------------|---------------------------------------|
| 0,01 | 141956,0 | 472010640,0 | 39,43222222 |
| 0,05 | 622980,0 | 2960532000,0 | 173,05 |
| 0,1 | 1250152,0 | 2135479817,1 | 347,2644444 |

