

| Pe    | Method                     | Features              | Integrator | Nsteps (succesful) |       |        | Nsteps (failed) |      |     | Nfeval |       |       | Njac |      |     | LU  |      |     |
|-------|----------------------------|-----------------------|------------|--------------------|-------|--------|-----------------|------|-----|--------|-------|-------|------|------|-----|-----|------|-----|
|       |                            |                       |            | 50                 | 100   | 250    | 50              | 100  | 250 | 50     | 100   | 250   | 50   | 100  | 250 | 50  | 100  | 250 |
| 1     | Sequencing Method          | Euler                 | NA         | 100                | 200   | 500    | 0               | 0    | 0   | 100    | 200   | 500   | 0    | 0    | 0   | 0   | 0    | 0   |
|       |                            | Transition            | NA         | 5000               | 20000 | 125000 | 0               | 0    | 0   | 100    | 200   | 500   | 0    | 0    | 0   | 0   | 0    | 0   |
|       |                            | explicit              | ode45      | 100                | 200   | 500    | 0               | 0    | 0   | 700    | 1400  | 3500  | 0    | 0    | 0   | 0   | 0    | 0   |
|       | MatMOL: Low order          | implicit              | ode15s     | 100                | 200   | 500    | 0               | 0    | 0   | 400    | 800   | 2000  | 100  | 200  | 500 | 100 | 200  | 500 |
|       |                            | explicit (high order) | ode45      | 100                | 200   | 500    | 0               | 0    | 0   | 700    | 1400  | 3500  | 0    | 0    | 0   | 0   | 0    | 0   |
|       |                            | explicit (CDR)        | ode45      | 100                | 200   | 500    | 0               | 0    | 0   | 700    | 1400  | 3500  | 0    | 0    | 0   | 0   | 0    | 0   |
|       | MatMOL: High order         | implicit              | ode15s     | 79                 | 85    | 92     | 1               | 2    | 3   | 124    | 122   | 135   | 6    | 2    | 2   | 19  | 20   | 24  |
|       |                            | forcing function      | ode45      |                    |       |        |                 |      |     |        |       |       |      |      |     |     |      |     |
|       |                            | elimination           | ode45      |                    |       |        |                 |      |     |        |       |       |      |      |     |     |      |     |
|       | MatMOL: High order         | implicit              | ode15s     | 77                 | 83    | 92     | 3               | 2    | 3   | 126    | 131   | 141   | 1    | 1    | 1   | 19  | 20   | 24  |
|       |                            | forcing function      | ode45      |                    |       |        |                 |      |     |        |       |       |      |      |     |     |      |     |
|       |                            | elimination           | ode45      |                    |       |        |                 |      |     |        |       |       |      |      |     |     |      |     |
| 100   | Sequencing Method          | Euler                 | NA         | 100                | 200   | 500    | 0               | 0    | 0   | 100    | 200   | 500   | 0    | 0    | 0   | 0   | 0    | 0   |
|       |                            | Transition            | NA         | 5000               | 20000 | 125000 | 0               | 0    | 0   | 100    | 200   | 500   | 0    | 0    | 0   | 0   | 0    | 0   |
|       |                            | explicit              | ode45      | 100                | 200   | 500    | 0               | 0    | 0   | 700    | 1400  | 3500  | 0    | 0    | 0   | 0   | 0    | 0   |
|       | MatMOL: Low order          | implicit              | ode15s     | 175                | 200   | 500    | 0               | 0    | 0   | 550    | 800   | 2000  | 100  | 200  | 500 | 176 | 200  | 500 |
|       |                            | explicit (high order) | ode45      | 100                | 200   | 500    | 0               | 0    | 0   | 700    | 1400  | 3500  | 0    | 0    | 0   | 0   | 0    | 0   |
|       |                            | explicit (CDR)        | ode45      | 100                | 200   | 500    | 0               | 0    | 0   | 700    | 1400  | 3500  | 0    | 0    | 0   | 0   | 0    | 0   |
|       | MatMOL: High order         | implicit              | ode15s     | 109                | 132   | 154    | 0               | 1    | 0   | 170    | 201   | 219   | 1    | 2    | 1   | 20  | 27   | 30  |
|       |                            | forcing function      | ode45      | 130                | 365   | 1807   | 9               | 27   | 118 | 835    | 2353  | 11551 | 0    | 0    | 0   | 0   | 0    | 0   |
|       |                            | elimination           | ode45      | 126                | 365   | 1809   | 2               | 27   | 116 | 769    | 2353  | 11551 | 0    | 0    | 0   | 0   | 0    | 0   |
|       | MatMOL: High order         | implicit              | ode15s     | 127                | 144   | 159    | 1               | 0    | 0   | 191    | 213   | 228   | 1    | 1    | 1   | 25  | 28   | 31  |
|       |                            | forcing function      | ode45      | 154                | 460   | 2381   | 4               | 37   | 122 | 949    | 2983  | 15019 | 0    | 0    | 0   | 0   | 0    | 0   |
|       |                            | elimination           | ode45      | 144                | 457   | 2382   | 2               | 22   | 147 | 877    | 2875  | 15175 | 0    | 0    | 0   | 0   | 0    | 0   |
| 10000 | Sequencing Method          | Euler                 | NA         | 100                | 200   | 500    | 0               | 0    | 0   | 100    | 200   | 500   | 0    | 0    | 0   | 0   | 0    | 0   |
|       |                            | Transition            | NA         | 5000               | 20000 | 125000 | 0               | 0    | 0   | 100    | 200   | 500   | 0    | 0    | 0   | 0   | 0    | 0   |
|       |                            | explicit              | ode45      | 100                | 200   | 500    | 0               | 0    | 0   | 700    | 1400  | 3500  | 0    | 0    | 0   | 0   | 0    | 0   |
|       | MatMOL: Low order          | implicit              | ode15s     | 182                | 200   | 500    | 0               | 0    | 0   | 564    | 800   | 2000  | 100  | 200  | 500 | 182 | 200  | 500 |
|       |                            | explicit (high order) | ode45      | 100                | 200   | 500    | 0               | 0    | 0   | 700    | 1400  | 3500  | 0    | 0    | 0   | 0   | 0    | 0   |
|       |                            | explicit (CDR)        | ode45      | 100                | 200   | 500    | 0               | 0    | 0   | 700    | 1400  | 3500  | 0    | 0    | 0   | 0   | 0    | 0   |
|       | MatMOL: High order         | implicit              | ode15s     | 121                | 158   | 224    | 1               | 1    | 0   | 186    | 228   | 302   | 1    | 1    | 1   | 22  | 28   | 38  |
|       |                            | forcing function      | ode45      | 73                 | 125   | 314    | 0               | 4    | 11  | 439    | 775   | 1951  | 0    | 0    | 0   | 0   | 0    | 0   |
|       |                            | elimination           | ode45      | 66                 | 125   | 317    | 3               | 1    | 22  | 415    | 757   | 2035  | 0    | 0    | 0   | 0   | 0    | 0   |
|       | MatMOL: FluxLimiter        | implicit              | ode15s     | 223                | 335   | 573    | 3               | 3    | 0   | 345    | 416   | 685   | 1    | 1    | 1   | 39  | 62   | 96  |
|       |                            | forcing function      | ode45      | 104                | 180   | 407    | 2               | 15   | 36  | 637    | 1171  | 2659  | 0    | 0    | 0   | 0   | 0    | 0   |
|       |                            | elimination           | ode45      | 100                | 183   | 422    | 2               | 13   | 37  | 613    | 1177  | 2755  | 0    | 0    | 0   | 0   | 0    | 0   |
|       | MatMOL: Static Regridding  | Minmod                | ode15s     | 894                | 1759  |        | 515             | 1047 |     | 4731   | 10037 |       | 177  | 397  |     | 742 | 1499 |     |
|       |                            | Koren                 | ode15s     | 699                | 3230  |        | 307             | 2010 |     | 3190   | 20437 |       | 108  | 881  |     | 460 | 2953 |     |
|       |                            | Smart                 | ode15s     | 800                | 3955  |        | 382             | 2584 |     | 3871   | 23807 |       | 132  | 978  |     | 576 | 3671 |     |
|       |                            | Superbee              | ode15s     | 551                | 5631  |        | 100             | 3735 |     | 1545   | 33106 |       | 25   | 1334 |     | 201 | 5181 |     |
|       |                            | Van Leer              | ode15s     | 649                | 2633  |        | 330             | 1718 |     | 3373   | 16066 |       | 124  | 655  |     | 486 | 2476 |     |
|       |                            | Mc                    | ode15s     | 462                | 4014  |        | 126             | 2569 |     | 1658   | 25378 |       | 40   | 1090 |     | 215 | 3719 |     |
|       | MatMOL: Dynamic Regridding | implicit              | ode23s     | 760                | 890   | 980    | 0               | 0    | 0   | 10336  | 12104 | 13328 | 760  | 890  | 980 | 760 | 890  | 980 |

| Lin Sys | Nsolver (calls) |     |      |     |     | CPU |      |      | RE avg C1 |          |          | RE avg T1 |          |          | RE avg C2 |          |          | RE avg T2 |          |          |          |  |
|---------|-----------------|-----|------|-----|-----|-----|------|------|-----------|----------|----------|-----------|----------|----------|-----------|----------|----------|-----------|----------|----------|----------|--|
|         | 50              | 100 | 250  | 50  | 100 | 250 | 50   | 100  | 250       | 50       | 100      | 250       | 50       | 100      | 250       | 50       | 100      | 250       | 50       | 100      | 250      |  |
|         | 0               | 0   | 0    | 0   | 0   | 0   | 0,04 | 0,10 | 0,69      | 2,83E-02 | 1,64E-02 | 8,17E-03  | 2,21E-03 | 1,24E-03 | 5,79E-04  | 3,65E-02 | 2,30E-02 | 1,23E-02  | 2,56E-03 | 1,50E-03 | 7,68E-04 |  |
|         | 0               | 0   | 0    | 0   | 0   | 0   | 1,24 | 4,87 | 30,35     | 2,79E-02 | 1,59E-02 | 7,80E-03  | 2,32E-03 | 1,31E-03 | 6,50E-04  | 3,77E-02 | 2,34E-02 | 1,23E-02  | 2,79E-03 | 1,63E-03 | 8,25E-04 |  |
|         | 0               | 0   | 0    | 100 | 200 | 500 | 0,26 | 0,57 | 2,30      | 2,74E-02 | 1,58E-02 | 7,78E-03  | 2,32E-03 | 1,31E-03 | 6,49E-04  | 3,75E-02 | 2,33E-02 | 1,23E-02  | 2,78E-03 | 1,62E-03 | 8,24E-04 |  |
|         | 200             | 400 | 1000 | 100 | 200 | 500 | 0,44 | 1,50 | 12,90     | 2,71E-02 | 1,54E-02 | 7,53E-03  | 2,44E-03 | 1,39E-03 | 7,04E-04  | 3,88E-02 | 2,38E-02 | 1,25E-02  | 2,98E-03 | 1,72E-03 | 8,68E-04 |  |
|         | 0               | 0   | 0    | 100 | 200 | 500 | 0,27 | 0,59 | 2,45      | 2,74E-02 | 1,58E-02 | 7,78E-03  | 2,33E-03 | 1,31E-03 | 6,49E-04  | 3,75E-02 | 2,33E-02 | 1,23E-02  | 2,79E-03 | 1,63E-03 | 8,24E-04 |  |
|         | 0               | 0   | 0    | 100 | 200 | 500 | 0,27 | 0,59 | 2,34      | 3,36E-02 | 1,63E-02 | 5,91E-03  | 4,05E-03 | 1,98E-03 | 7,81E-04  | 5,01E-02 | 2,80E-02 | 1,31E-02  | 4,53E-03 | 2,27E-03 | 9,39E-04 |  |
|         | 108             | 117 | 129  | 1   | 1   | 1   | 0,13 | 0,34 | 3,61      | 1,13E-02 | 5,12E-03 | 2,04E-03  | 2,31E-03 | 1,01E-03 | 2,62E-04  | 1,11E-02 | 5,04E-03 | 2,00E-03  | 2,60E-03 | 1,16E-03 | 3,17E-04 |  |
|         |                 |     |      |     |     |     |      |      |           |          |          |           |          |          |           |          |          |           |          |          |          |  |
|         | 110             | 115 | 125  | 1   | 1   | 1   | 0,13 | 0,36 | 3,55      | 1,67E-02 | 7,52E-03 | 1,98E-03  | 2,44E-03 | 1,09E-03 | 2,73E-04  | 1,66E-02 | 7,46E-03 | 1,97E-03  | 2,48E-03 | 1,10E-03 | 2,77E-04 |  |
|         |                 |     |      |     |     |     |      |      |           |          |          |           |          |          |           |          |          |           |          |          |          |  |
|         |                 |     |      |     |     |     |      |      |           |          |          |           |          |          |           |          |          |           |          |          |          |  |
|         |                 |     |      |     |     |     |      |      |           |          |          |           |          |          |           |          |          |           |          |          |          |  |
|         | 0               | 0   | 0    | 0   | 0   | 0   | 0,04 | 0,07 | 0,40      | 2,54E-02 | 1,31E-02 | 5,33E-03  | 4,73E-03 | 2,46E-03 | 1,09E-03  | 2,05E-02 | 1,05E-02 | 4,28E-03  | 4,98E-03 | 2,58E-03 | 1,15E-03 |  |
|         | 0               | 0   | 0    | 0   | 0   | 0   | 1,03 | 4,86 | 30,36     | 3,45E-02 | 1,72E-02 | 6,92E-03  | 4,32E-03 | 2,26E-03 | 1,02E-03  | 3,22E-02 | 1,62E-02 | 6,54E-03  | 4,79E-03 | 2,52E-03 | 1,14E-03 |  |
|         | 0               | 0   | 0    | 100 | 200 | 500 | 0,26 | 0,55 | 2,07      | 3,39E-02 | 1,71E-02 | 6,90E-03  | 4,31E-03 | 2,26E-03 | 1,01E-03  | 3,22E-02 | 1,62E-02 | 6,53E-03  | 4,80E-03 | 2,52E-03 | 1,14E-03 |  |
|         | 350             | 400 | 1000 | 100 | 200 | 500 | 0,54 | 1,51 | 12,40     | 4,09E-02 | 2,30E-02 | 9,34E-03  | 4,62E-03 | 2,53E-03 | 1,13E-03  | 4,01E-02 | 2,23E-02 | 9,01E-03  | 5,17E-03 | 2,82E-03 | 1,26E-03 |  |
|         | 0               | 0   | 0    | 100 | 200 | 500 | 0,28 | 0,57 | 2,13      | 3,59E-02 | 1,94E-02 | 7,67E-03  | 4,44E-03 | 2,40E-03 | 1,06E-03  | 3,42E-02 | 1,84E-02 | 7,29E-03  | 4,96E-03 | 2,68E-03 | 1,19E-03 |  |
|         | 0               | 0   | 0    | 100 | 200 | 500 | 0,26 | 0,57 | 2,03      | 3,45E-02 | 1,74E-02 | 7,05E-03  | 4,33E-03 | 2,27E-03 | 1,02E-03  | 3,24E-02 | 1,63E-02 | 6,58E-03  | 4,84E-03 | 2,54E-03 | 1,15E-03 |  |
|         | 160             | 184 | 209  | 1   | 1   | 1   | 0,16 | 0,49 | 4,78      | 5,11E-02 | 2,64E-02 | 1,08E-02  | 3,21E-03 | 1,67E-03 | 7,17E-04  | 4,08E-02 | 2,17E-02 | 9,06E-03  | 4,22E-03 | 2,22E-03 | 9,50E-04 |  |
|         | 0               | 0   | 0    | 1   | 1   | 1   | 0,21 | 0,74 | 16,69     | 4,93E-02 | 2,64E-02 | 1,41E-02  | 3,18E-03 | 1,78E-03 | 9,80E-04  | 3,84E-02 | 2,15E-02 | 1,28E-02  | 4,32E-03 | 2,51E-03 | 1,47E-03 |  |
|         | 0               | 0   | 0    | 1   | 1   | 1   | 0,20 | 0,81 | 17,39     | 5,11E-02 | 2,63E-02 | 1,08E-02  | 3,21E-03 | 1,67E-03 | 7,17E-04  | 4,08E-02 | 2,17E-02 | 9,05E-03  | 4,22E-03 | 2,22E-03 | 9,51E-04 |  |
|         | 176             | 197 | 212  | 1   | 1   | 1   | 0,19 | 0,57 | 4,92      | 1,64E-03 | 5,42E-04 | 1,14E-04  | 1,65E-03 | 7,24E-04 | 1,80E-04  | 1,33E-03 | 4,50E-04 | 1,06E-04  | 2,48E-03 | 1,10E-03 | 2,76E-04 |  |
|         | 0               | 0   | 0    | 1   | 1   | 1   | 0,25 | 1,07 | 28,32     | 1,06E-02 | 1,00E-02 | 9,92E-03  | 1,67E-03 | 8,88E-04 | 5,46E-04  | 1,02E-02 | 9,84E-03 | 9,81E-03  | 2,42E-03 | 1,33E-03 | 9,33E-04 |  |
|         | 0               | 0   | 0    | 1   | 1   | 1   | 0,25 | 1,14 | 29,14     | 1,64E-03 | 5,40E-04 | 1,21E-04  | 1,65E-03 | 7,24E-04 | 1,80E-04  | 1,33E-03 | 4,48E-04 | 1,10E-04  | 2,48E-03 | 1,10E-03 | 2,75E-04 |  |
|         |                 |     |      |     |     |     |      |      |           |          |          |           |          |          |           |          |          |           |          |          |          |  |
|         |                 |     |      |     |     |     |      |      |           |          |          |           |          |          |           |          |          |           |          |          |          |  |
|         |                 |     |      |     |     |     |      |      |           |          |          |           |          |          |           |          |          |           |          |          |          |  |
|         |                 |     |      |     |     |     |      |      |           |          |          |           |          |          |           |          |          |           |          |          |          |  |
|         |                 |     |      |     |     |     |      |      |           |          |          |           |          |          |           |          |          |           |          |          |          |  |
|         |                 |     |      |     |     |     |      |      |           |          |          |           |          |          |           |          |          |           |          |          |          |  |
|         |                 |     |      |     |     |     |      |      |           |          |          |           |          |          |           |          |          |           |          |          |          |  |
|         |                 |     |      |     |     |     |      |      |           |          |          |           |          |          |           |          |          |           |          |          |          |  |
|         |                 |     |      |     |     |     |      |      |           |          |          |           |          |          |           |          |          |           |          |          |          |  |
|         |                 |     |      |     |     |     |      |      |           |          |          |           |          |          |           |          |          |           |          |          |          |  |
|         |                 |     |      |     |     |     |      |      |           |          |          |           |          |          |           |          |          |           |          |          |          |  |
|         |                 |     |      |     |     |     |      |      |           |          |          |           |          |          |           |          |          |           |          |          |          |  |
|         |                 |     |      |     |     |     |      |      |           |          |          |           |          |          |           |          |          |           |          |          |          |  |
|         |                 |     |      |     |     |     |      |      |           |          |          |           |          |          |           |          |          |           |          |          |          |  |
|         |                 |     |      |     |     |     |      |      |           |          |          |           |          |          |           |          |          |           |          |          |          |  |
|         |                 |     |      |     |     |     |      |      |           |          |          |           |          |          |           |          |          |           |          |          |          |  |
|         |                 |     |      |     |     |     |      |      |           |          |          |           |          |          |           |          |          |           |          |          |          |  |
|         |                 |     |      |     |     |     |      |      |           |          |          |           |          |          |           |          |          |           |          |          |          |  |
|         |                 |     |      |     |     |     |      |      |           |          |          |           |          |          |           |          |          |           |          |          |          |  |
|         |                 |     |      |     |     |     |      |      |           |          |          |           |          |          |           |          |          |           |          |          |          |  |
|         |                 |     |      |     |     |     |      |      |           |          |          |           |          |          |           |          |          |           |          |          |          |  |
|         |                 |     |      |     |     |     |      |      |           |          |          |           |          |          |           |          |          |           |          |          |          |  |
|         |                 |     |      |     |     |     |      |      |           |          |          |           |          |          |           |          |          |           |          |          |          |  |
|         |                 |     |      |     |     |     |      |      |           |          |          |           |          |          |           |          |          |           |          |          |          |  |
|         |                 |     |      |     |     |     |      |      |           |          |          |           |          |          |           |          |          |           |          |          |          |  |
|         |                 |     |      |     |     |     |      |      |           |          |          |           |          |          |           |          |          |           |          |          |          |  |
|         |                 |     |      |     |     |     |      |      |           |          |          |           |          |          |           |          |          |           |          |          |          |  |
|         |                 |     |      |     |     |     |      |      |           |          |          |           |          |          |           |          |          |           |          |          |          |  |
|         |                 |     |      |     |     |     |      |      |           |          |          |           |          |          |           |          |          |           |          |          |          |  |
|         |                 |     |      |     |     |     |      |      |           |          |          |           |          |          |           |          |          |           |          |          |          |  |
|         |                 |     |      |     |     |     |      |      |           |          |          |           |          |          |           |          |          |           |          |          |          |  |
|         |                 |     |      |     |     |     |      |      |           |          |          |           |          |          |           |          |          |           |          |          |          |  |
|         |                 |     |      |     |     |     |      |      |           |          |          |           |          |          |           |          |          |           |          |          |          |  |

| RE SS C1 | RE SS T1 |          |          |          | RE SS C2 |          |          | RE SS T2 |          |          |          |  |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|
| 50       | 100      | 250      | 50       | 100      | 250      | 5,00E+01 | 1,00E+02 | 2,50E+02 | 5,00E+01 | 1,00E+02 | 2,50E+02 |  |
| 2,41E-02 | 1,49E-02 | 8,34E-03 | 2,38E-03 | 1,35E-03 | 6,20E-04 | 3,20E-02 | 2,07E-02 | 1,14E-02 | 2,76E-03 | 1,65E-03 | 8,58E-04 |  |
| 2,97E-02 | 1,74E-02 | 9,24E-03 | 2,48E-03 | 1,42E-03 | 7,39E-04 | 3,56E-02 | 2,22E-02 | 1,20E-02 | 3,11E-03 | 1,84E-03 | 9,55E-04 |  |
| 2,90E-02 | 1,72E-02 | 9,21E-03 | 2,48E-03 | 1,42E-03 | 7,39E-04 | 3,53E-02 | 2,21E-02 | 1,20E-02 | 3,10E-03 | 1,84E-03 | 9,55E-04 |  |
| 3,23E-02 | 1,88E-02 | 9,81E-03 | 2,67E-03 | 1,55E-03 | 8,47E-04 | 3,79E-02 | 2,33E-02 | 1,25E-02 | 3,46E-03 | 2,02E-03 | 1,03E-03 |  |
| 2,91E-02 | 1,73E-02 | 9,21E-03 | 2,49E-03 | 1,42E-03 | 7,39E-04 | 3,53E-02 | 2,21E-02 | 1,20E-02 | 3,11E-03 | 1,84E-03 | 9,55E-04 |  |
| 3,84E-02 | 1,75E-02 | 5,24E-03 | 4,32E-03 | 2,12E-03 | 8,40E-04 | 5,52E-02 | 2,93E-02 | 1,29E-02 | 4,93E-03 | 2,50E-03 | 1,06E-03 |  |
| 1,04E-02 | 3,53E-03 | 6,00E-04 | 2,57E-03 | 1,12E-03 | 2,84E-04 | 1,11E-02 | 3,95E-03 | 8,32E-04 | 2,90E-03 | 1,29E-03 | 3,44E-04 |  |
|          |          |          |          |          |          |          |          |          |          |          |          |  |
| 2,98E-02 | 1,34E-02 | 3,54E-03 | 2,76E-03 | 1,23E-03 | 3,05E-04 | 2,95E-02 | 1,33E-02 | 3,50E-03 | 2,80E-03 | 1,24E-03 | 3,09E-04 |  |
|          |          |          |          |          |          |          |          |          |          |          |          |  |
| 2,92E-02 | 1,52E-02 | 6,17E-03 | 5,24E-03 | 2,72E-03 | 1,21E-03 | 2,35E-02 | 1,20E-02 | 4,85E-03 | 5,41E-03 | 2,80E-03 | 1,23E-03 |  |
| 3,85E-02 | 1,92E-02 | 7,66E-03 | 4,75E-03 | 2,48E-03 | 1,11E-03 | 3,57E-02 | 1,79E-02 | 7,18E-03 | 5,14E-03 | 2,69E-03 | 1,21E-03 |  |
| 3,76E-02 | 1,89E-02 | 7,63E-03 | 4,73E-03 | 2,48E-03 | 1,11E-03 | 3,55E-02 | 1,78E-02 | 7,17E-03 | 5,14E-03 | 2,69E-03 | 1,21E-03 |  |
| 4,42E-02 | 2,58E-02 | 1,04E-02 | 5,02E-03 | 2,81E-03 | 1,25E-03 | 4,30E-02 | 2,46E-02 | 9,92E-03 | 5,47E-03 | 3,05E-03 | 1,35E-03 |  |
| 3,97E-02 | 2,12E-02 | 8,42E-03 | 4,88E-03 | 2,64E-03 | 1,17E-03 | 3,75E-02 | 2,00E-02 | 7,91E-03 | 5,31E-03 | 2,87E-03 | 1,27E-03 |  |
| 3,88E-02 | 1,95E-02 | 7,85E-03 | 4,77E-03 | 2,49E-03 | 1,12E-03 | 3,61E-02 | 1,81E-02 | 7,26E-03 | 5,19E-03 | 2,71E-03 | 1,22E-03 |  |
| 3,07E-02 | 1,53E-02 | 6,14E-03 | 2,32E-03 | 1,18E-03 | 5,35E-04 | 2,43E-02 | 1,24E-02 | 4,99E-03 | 3,11E-03 | 1,58E-03 | 6,92E-04 |  |
| 3,07E-02 | 1,53E-02 | 6,14E-03 | 2,15E-03 | 1,12E-03 | 5,38E-04 | 2,43E-02 | 1,24E-02 | 4,99E-03 | 2,96E-03 | 1,53E-03 | 7,08E-04 |  |
| 3,07E-02 | 1,53E-02 | 6,14E-03 | 2,32E-03 | 1,18E-03 | 5,35E-04 | 2,43E-02 | 1,24E-02 | 4,99E-03 | 3,11E-03 | 1,58E-03 | 6,92E-04 |  |
| 1,22E-03 | 3,80E-04 | 7,10E-05 | 1,73E-03 | 7,62E-04 | 1,89E-04 | 9,22E-04 | 2,62E-04 | 5,14E-05 | 2,53E-03 | 1,12E-03 | 2,80E-04 |  |
| 1,22E-03 | 3,80E-04 | 7,15E-05 | 1,69E-03 | 7,47E-04 | 2,01E-04 | 9,22E-04 | 2,62E-04 | 5,17E-05 | 2,49E-03 | 1,11E-03 | 3,27E-04 |  |
| 1,22E-03 | 3,80E-04 | 7,12E-05 | 1,73E-03 | 7,62E-04 | 1,89E-04 | 9,21E-04 | 2,62E-04 | 5,20E-05 | 2,53E-03 | 1,12E-03 | 2,80E-04 |  |
|          |          |          |          |          |          |          |          |          |          |          |          |  |
| 2,06E-02 | 9,12E-03 | 3,73E-03 | 4,78E-03 | 2,16E-03 | 5,90E-04 | 1,98E-02 | 9,17E-03 | 3,27E-03 | 5,01E-03 | 2,31E-03 | 7,12E-04 |  |
| 3,40E-02 | 1,50E-02 | 3,75E-03 | 4,30E-03 | 1,91E-03 | 4,79E-04 | 3,22E-02 | 1,43E-02 | 3,57E-03 | 4,64E-03 | 2,07E-03 | 5,18E-04 |  |
| 3,33E-02 | 1,49E-02 | 3,72E-03 | 4,28E-03 | 1,91E-03 | 4,78E-04 | 3,20E-02 | 1,42E-02 | 3,56E-03 | 4,64E-03 | 2,07E-03 | 5,18E-04 |  |
| 3,96E-02 | 2,18E-02 | 6,83E-03 | 4,59E-03 | 2,28E-03 | 6,53E-04 | 3,95E-02 | 2,15E-02 | 6,60E-03 | 4,96E-03 | 2,48E-03 | 7,26E-04 |  |
| 3,33E-02 | 1,49E-02 | 3,72E-03 | 4,28E-03 | 1,91E-03 | 4,79E-04 | 3,20E-02 | 1,42E-02 | 3,56E-03 | 4,64E-03 | 2,07E-03 | 5,18E-04 |  |
| 3,34E-02 | 1,49E-02 | 3,72E-03 | 4,28E-03 | 1,91E-03 | 4,79E-04 | 3,20E-02 | 1,42E-02 | 3,56E-03 | 4,64E-03 | 2,07E-03 | 5,18E-04 |  |
| 2,68E-02 | 1,22E-02 | 3,84E-03 | 2,11E-03 | 1,05E-03 | 5,95E-04 | 2,23E-02 | 1,01E-02 | 3,30E-03 | 3,02E-03 | 1,52E-03 | 7,18E-04 |  |
| 2,68E-02 | 1,22E-02 | 3,84E-03 | 2,05E-03 | 1,04E-03 | 5,92E-04 | 2,23E-02 | 1,01E-02 | 3,30E-03 | 2,94E-03 | 1,50E-03 | 7,14E-04 |  |
| 2,68E-02 | 1,22E-02 | 3,84E-03 | 2,11E-03 | 1,05E-03 | 5,95E-04 | 2,23E-02 | 1,01E-02 | 3,30E-03 | 3,02E-03 | 1,52E-03 | 7,18E-04 |  |
| 3,92E-03 | 3,81E-03 | 3,75E-03 | 2,36E-03 | 1,42E-03 | 8,54E-04 | 3,68E-03 | 3,57E-03 | 3,56E-03 | 3,20E-03 | 1,81E-03 | 9,95E-04 |  |
| 3,92E-03 | 3,81E-03 | 3,75E-03 | 2,35E-03 | 1,41E-03 | 8,53E-04 | 3,68E-03 | 3,57E-03 | 3,56E-03 | 3,18E-03 | 1,80E-03 | 9,95E-04 |  |
| 3,92E-03 | 3,81E-03 | 3,75E-03 | 2,36E-03 | 1,42E-03 | 8,54E-04 | 3,68E-03 | 3,57E-03 | 3,56E-03 | 3,20E-03 | 1,81E-03 | 9,95E-04 |  |
| 1,06E-02 | 2,96E-03 |          | 2,48E-03 | 1,24E-03 |          | 1,04E-02 | 2,82E-03 |          | 2,97E-03 | 1,64E-03 |          |  |
| 1,61E-02 | 6,03E-03 |          | 2,76E-03 | 1,40E-03 |          | 1,55E-02 | 5,67E-03 |          | 3,13E-03 | 1,67E-03 |          |  |
| 1,81E-02 | 6,98E-03 |          | 2,86E-03 | 1,45E-03 |          | 1,73E-02 | 6,59E-03 |          | 3,20E-03 | 1,69E-03 |          |  |
| 1,88E-02 | 7,37E-03 |          | 2,82E-03 | 1,46E-03 |          | 1,74E-02 | 6,78E-03 |          | 3,25E-03 | 1,72E-03 |          |  |
| 1,32E-02 | 4,55E-03 |          | 2,61E-03 | 1,33E-03 |          | 1,26E-02 | 4,24E-03 |          | 3,07E-03 | 1,66E-03 |          |  |
| 1,36E-02 | 4,75E-03 |          | 2,62E-03 | 1,34E-03 |          | 1,29E-02 | 4,42E-03 |          | 3,08E-03 | 1,66E-03 |          |  |
| 3,69E-03 | 3,97E-03 | 3,93E-03 | 4,33E-04 | 6,41E-04 | 3,83E-04 | 3,51E-03 | 3,80E-03 | 3,82E-03 | 5,36E-04 | 6,95E-04 | 4,39E-04 |  |