Zestawienie błędu algorytmu w zależności od liczby węzłów, dla metod: FTCS, BTCS, Cranka-Nicolson, DuForta-Frankle, Richtmyera-Morton.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Liczba węzłów | Błąd | | | | | | |
| FTCS | BTCS | C-N | D-F | D-F2 | R-M | R-M2 |
| 5 | 1,360E-02 | 2,430E-02 | 3,300E-03 | 1,161E-01 | 1,379E-01 | 4,604E-01 | 9,100E-02 |
| 10 | 2,600E-03 | 4,800E-03 | 9,569E-04 | 2,370E-02 | 3,620E-02 | 1,357E-01 | 1,030E-02 |
| 15 | 1,100E-03 | 2,000E-03 | 4,547E-04 | 1,000E-02 | 1,610E-02 | 6,330E-02 | 3,500E-03 |
| 20 | 5,853E-04 | 1,100E-03 | 2,628E-04 | 5,400E-03 | 8,900E-03 | 3,570E-02 | 1,800E-03 |
| 30 | 2,516E-04 | 4,669E-04 | 1,206E-04 | 2,300E-03 | 3,900E-03 | 1,600E-02 | 7,356E-04 |
| 40 | 1,392E-04 | 2,584E-04 | 6,897E-05 | 1,300E-03 | 2,200E-03 | 9,000E-03 | 4,027E-04 |
| 50 | 8,818E-05 | 1,637E-04 | 4,458E-05 | 8,214E-04 | 1,400E-03 | 5,700E-03 | 2,540E-04 |