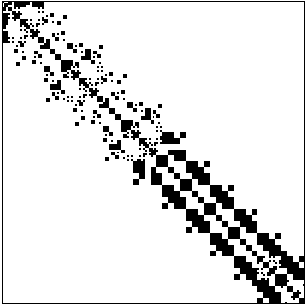
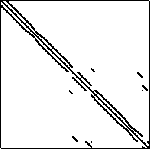


3. 48 48 224

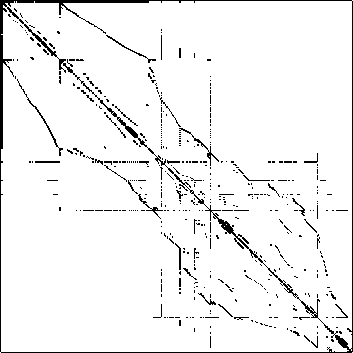
1. 468 468 2820
2. 5357 5357 106526



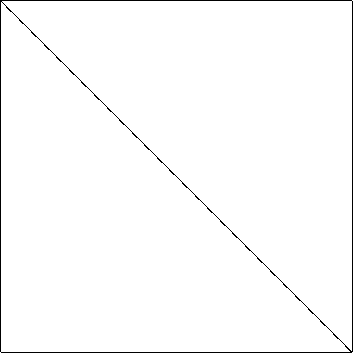
1. 153 153 1288

 1473 x 1473, 17857 entries

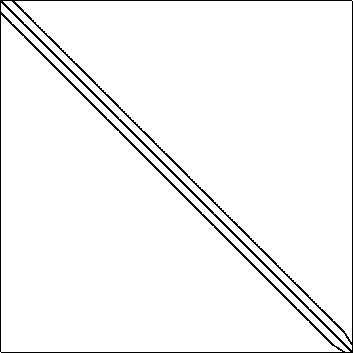
5.



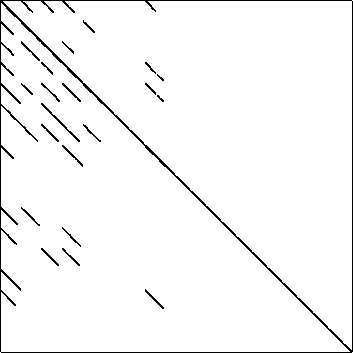
6. 1074 x 1074, 7017 entries



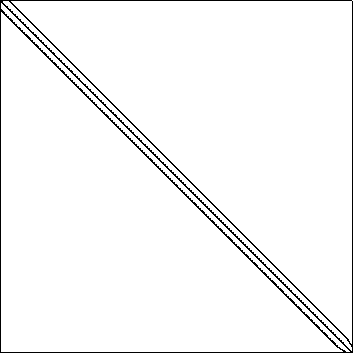
7. 1083 x 1083, 1083 entries



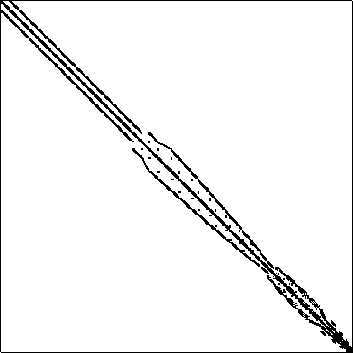
8. 9661 x 9661, 306356 entries



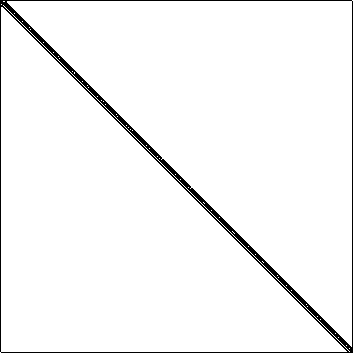
9. 680 x 680, 2646 entries



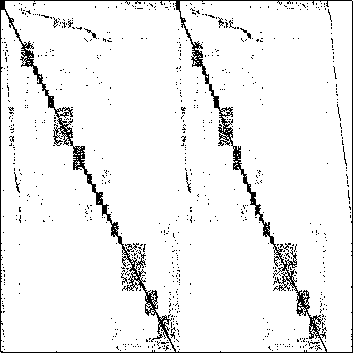
10.



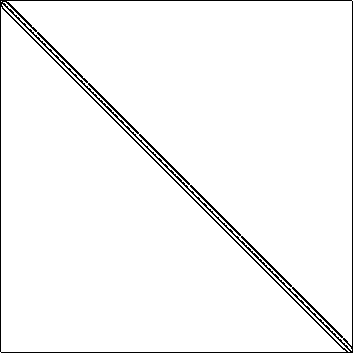
11. 2568 x 2568, 75628 entrie



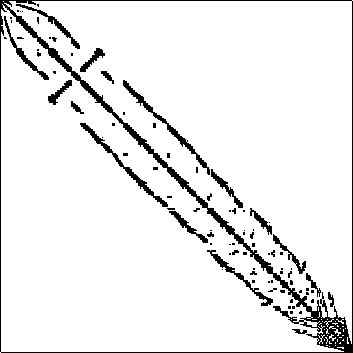
12. 9287 x 9287, 98519 entries



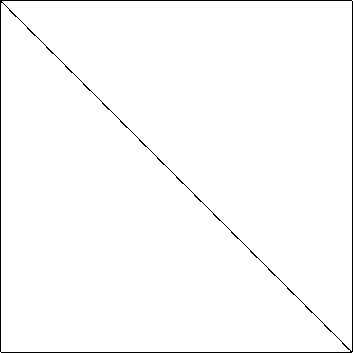
13. 4929 x 4929, 33185 entries



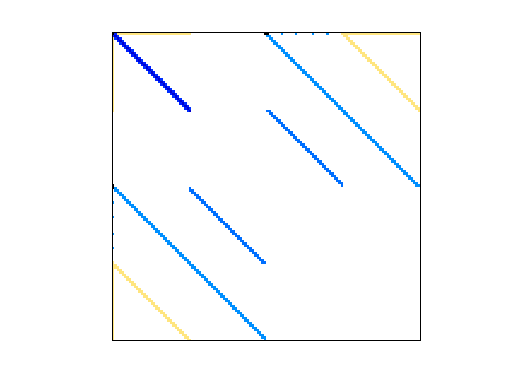
14. 13668 x 13668, 186294 entries



9152 x 9152, 765944 entries

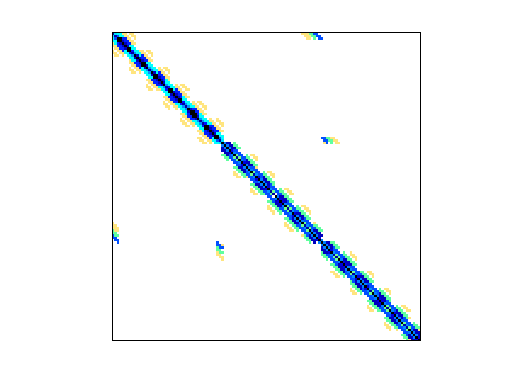


16. 1074 x 1074, 1074 entries



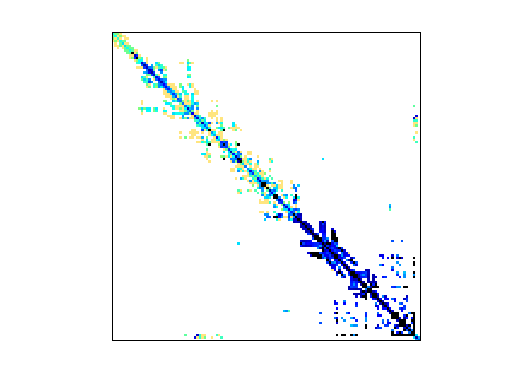
18.

|  |
| --- |
| 40,216 |
| **Num Cols** | 40,216 |
| **Nonzeros** | 1,042,160 |



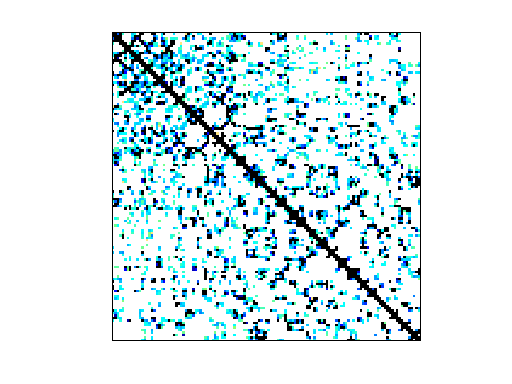
|  |  |
| --- | --- |
| number of rows | 7,102 |
| number of columns | 7,102 |
| nonzeros | 340,200 |

Kuu.tar.



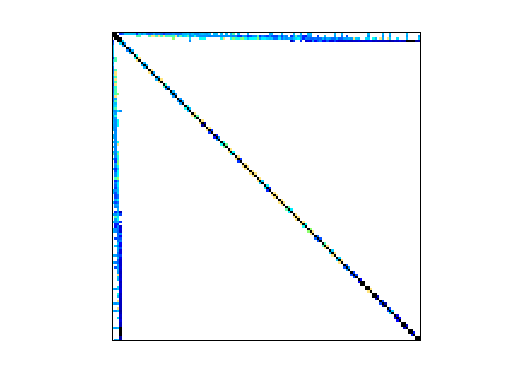
|  |  |
| --- | --- |
| number of rows | 8,032 |
| number of columns | 8,032 |
| nonzeros | 355,460 |

Bcsstk38



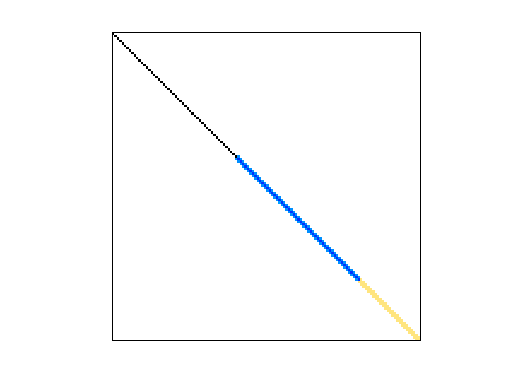
|  |  |
| --- | --- |
| number of rows | 9,000 |
| number of columns | 9,000 |
| nonzeros | 3,279,690 |

Nd3k



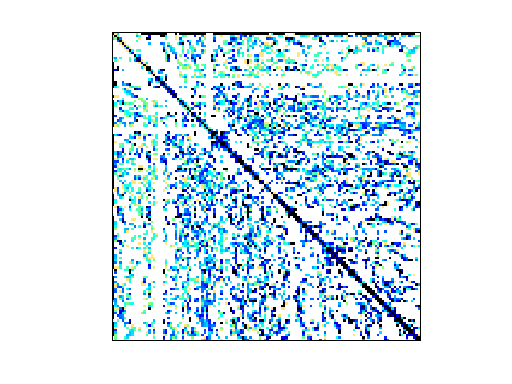
|  |  |
| --- | --- |
| number of rows | 10,581 |
| number of columns | 10,581 |
| nonzeros | 770,811 |

Bundle1

fl

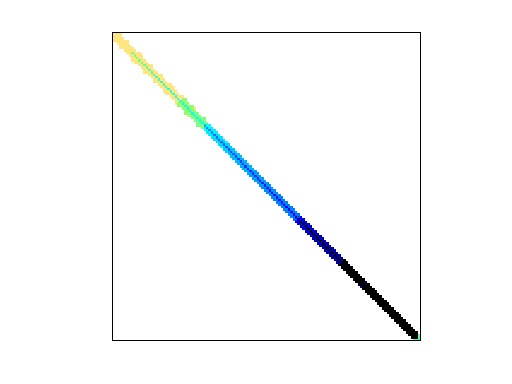
|  |  |
| --- | --- |
| number of rows | 10,605 |
| number of columns | 10,605 |
| nonzeros | 144,579 |

Ted\_B

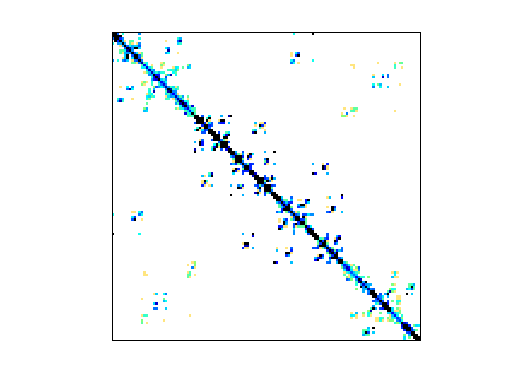


|  |  |
| --- | --- |
| number of rows | 10,848 |
| number of columns | 10,848 |
| nonzeros | 1,229,776 |

Msc10848

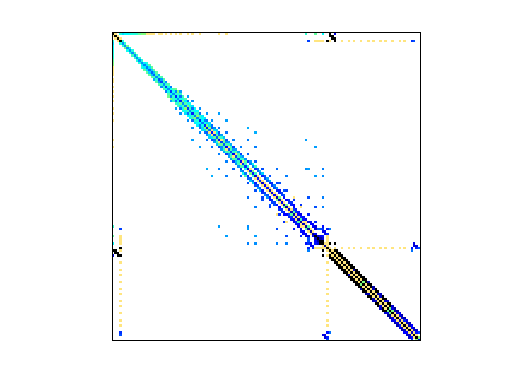
t2dah\_e

|  |  |
| --- | --- |
| number of rows | 11,445 |
| number of columns | 11,445 |
| nonzeros | 176,117 |

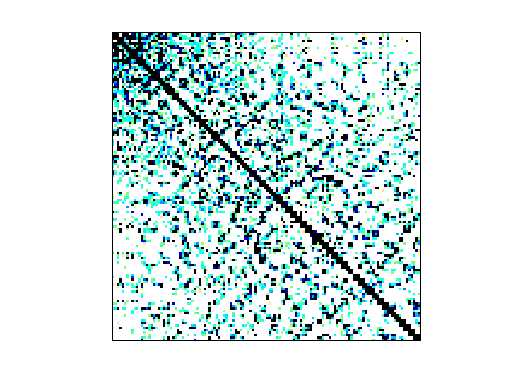


|  |  |
| --- | --- |
| number of rows | 14,822 |
| number of columns | 14,822 |
| nonzeros | 715,804 |

Pres\_poisson

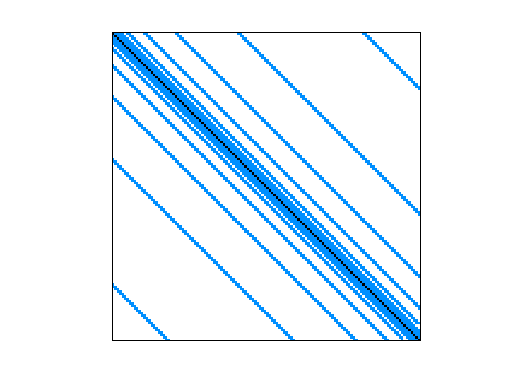
bodyy\_4

|  |  |
| --- | --- |
| number of rows | 17,546 |
| number of columns | 17,546 |
| nonzeros | 121,550 |



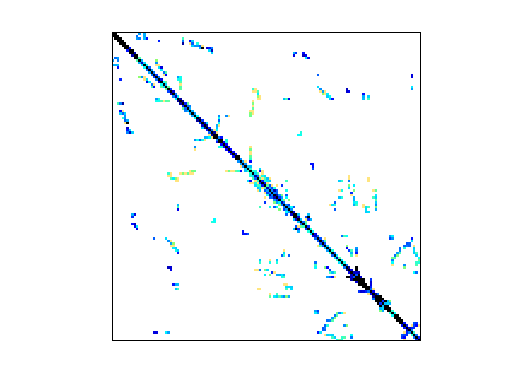
|  |  |
| --- | --- |
| number of rows | 18,000 |
| number of columns | 18,000 |
| nonzeros | 6,897,316 |

Nd6k



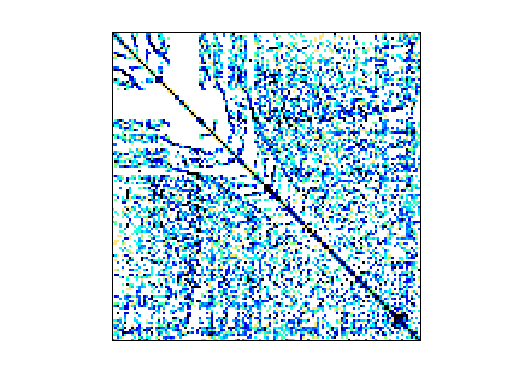
|  |  |
| --- | --- |
| number of rows | 19,999 |
| number of columns | 19,999 |
| nonzeros | 554,435 |

**Trefethen\_20000b**



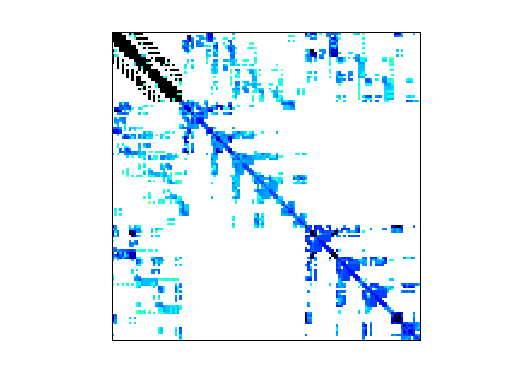
|  |  |
| --- | --- |
| number of rows | 23,052 |
| number of columns | 23,052 |
| nonzeros | 1,143,140 |

**bcsstk36**



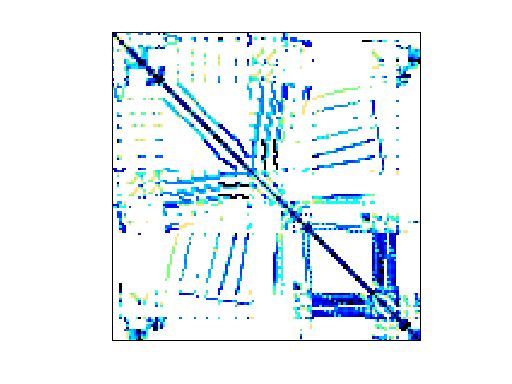
|  |  |
| --- | --- |
| number of rows | 23,052 |
| number of columns | 23,052 |
| nonzeros | 1,142,686 |

**msc23052**



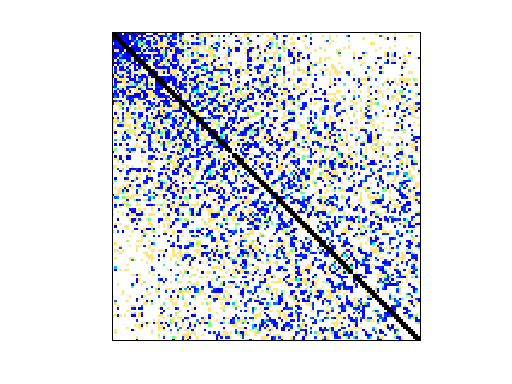
|  |  |
| --- | --- |
| number of rows | 29,736 |
| number of columns | 29,736 |
| nonzeros | 4,444,880 |

Thread



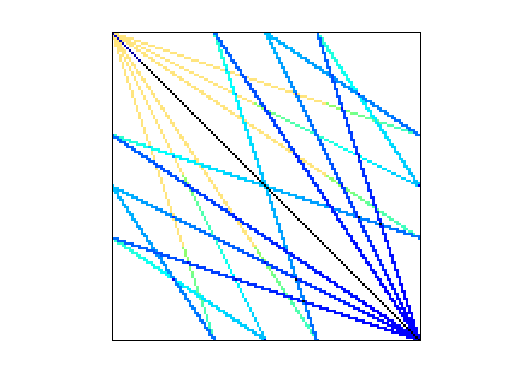
|  |  |
| --- | --- |
| number of rows | 34,920 |
| number of columns | 34,920 |
| nonzeros | 3,896,496 |

**ship\_001**

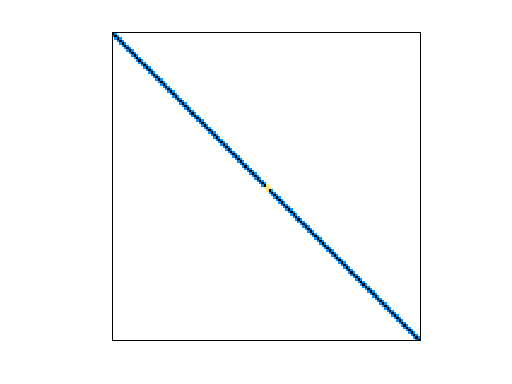


|  |  |
| --- | --- |
| number of rows | 36,000 |
| number of columns | 36,000 |
| nonzeros | 14,220,946 |

**nd12k**

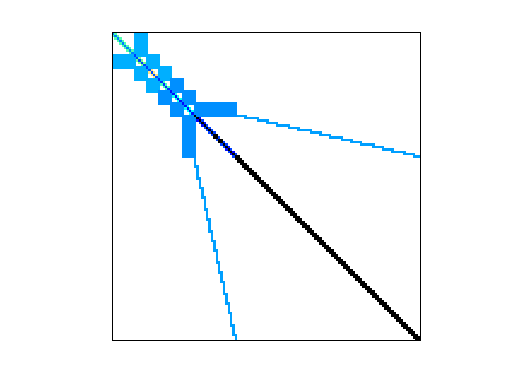
**cvxbqp1**

|  |  |
| --- | --- |
| number of rows | 50,000 |
| number of columns | 50,000 |
| nonzeros | 349,968 |



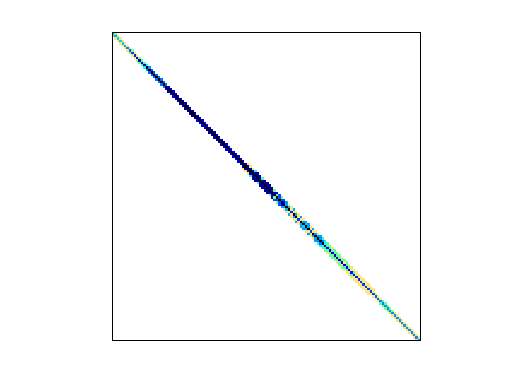
|  |  |
| --- | --- |
| number of rows | 62,451 |
| number of columns | 62,451 |
| nonzeros | 4,007,383 |

**Cant**



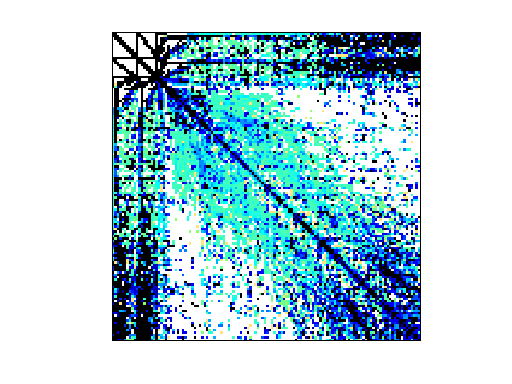
|  |  |
| --- | --- |
| number of rows | 1,585,478 |
| number of columns | 1,585,478 |
| nonzeros | 7,660,826 |

**G3\_circuit**



|  |  |
| --- | --- |
| number of rows | 1,564,794 |
| number of columns | 1,564,794 |
| nonzeros | 114,165,372 |

**Flan\_1565**



|  |  |
| --- | --- |
| number of rows | 220,542 |
| number of columns | 220,542 |
| nonzeros | 9,895,422 |

**hood**