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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | MAPE, % | | | | APEmax, % | | | | APEmed, % | | | | MAE, cm2/V s | | | |
|  | *nn* | *np* | *pp* | *pn* | *nn* | *np* | *pp* | *pn* | *nn* | *np* | *pp* | *pn* | *nn* | *np* | *pp* | *pn* |
| Arora | 5.35 | 20.3 | 5.62 | 37.8 | 38.2 | 70.7 | 17.6 | 111 | 3.67 | 16.3 | 5.01 | 32.6 | 45.7 | 103 | 16 | 82.6 |
| RF | 1.29 | 1.69 | 1.52 | 1.47 | 9.33 | 14.5 | 4.60 | 10.9 | 0.805 | 0.994 | 0.264 | 0.913 | 11.0 | 13.5 | 4.50 | 4.76 |
| RF (SC) | 1.42 | 1.77 | 1.46 | 1.41 | 12.3 | 14.4 | 14.5 | 12.6 | 0.852 | 1.04 | 0.744 | 0.872 | 11.6 | 14.1 | 4.40 | 4.76 |
| SVR | 46.5 | 51.5 | 32.6 | 33.4 | 1630 | 1750 | 2070 | 1510 | 14.9 | 17.4 | 13.1 | 12.9 | 220 | 244 | 68.8 | 73.6 |
| SVR (SC) | 0.108 | **0.087** | **0.098** | 0.082 | 1.71 | 2.16 | 2.26 | 3.56 | 0.088 | **0.064** | **0.069** | 0.050 | 1.20 | 1.03 | 0.394 | 0.410 |
| GB | 2.20 | 1.46 | 1.60 | 1.55 | 58.2 | 10.8 | 17.3 | 11.0 | 1.46 | 0.939 | 0.905 | 1.15 | 15.43 | 10.85 | 4.75 | 5.24 |
| GB (SC) | 1.32 | 1.60 | 1.82 | 1.23 | 1.42 | 11.7 | 15.0 | 8.48 | 0.841 | 1.104 | 1.19 | 0.874 | 11.3 | 13.4 | 5.92 | 4.19 |
| DNN | 0.925 | 0.942 | 2.01 | 0.529 | 9.39 | 20.0 | 8.07 | 6.02 | 0.621 | 0.702 | 1.893 | 0.383 | 5.23 | 5.37 | 4.22 | 1.39 |
| DNN (SC) | 0.374 | 0.623 | 0.655 | 0.671 | 2.23 | 3.75 | 5.96 | 2.97 | 0.323 | 0.392 | 0.556 | 0.631 | 3.58 | 3.49 | 2.88 | 1.97 |
| PySR | **0.094** | 0.141 | 0.140 | **0.049** | **1.19** | **1.05** | **1.48** | **0.61** | **0.045** | 0.083 | 0.079 | **0.028** | **0.475** | **0.764** | **0.313** | **0.119** |
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| NN07 | 200-500 | | 1e13-1e19 | | Xtest,Ytest, W=lg Nd /Y | | 7.5 | | 1.366 | 25 | | 0.094 | 1.19 | | 0.0448 | | 0.475 |
| PP08 | 200-500 | | 1e13-1e19 | | Xfull,Yfull shot, W=1 /Y | | 10 | | 0.167 | 19 | | 0.140 | 1.48 | | 0.079 | | 0.313 |
| NP10 | | | 7 | | 1.646 | | 18 | | 0.141 | | | 1.05 | | | 0.083 | | 0.764 | | |
| PN09 | | | 7 | | 0.0365 | | 23 | | 0.049 | | | 0.61 | | | 0.0274 | | 0.119 | | |