

| | NOZS | | MTZS _{SRE} | | ZSMT _{SRE} | | MTZS _{SRM} | | ZSMT _{SRM} | |
|-----------|-------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|
| SO2T5 | 0.60 | (5.0) | 0.40 | (2.5) | 0.40 | (2.5) | 0.40 | (2.5) | 0.40 | (2.5) |
| SO2T10 | 0.62 | (5.0) | 0.54 | (3.5) | 0.54 | (3.5) | 0.53 | (1.5) | 0.53 | (1.5) |
| SO2T15 | 0.57 | (5.0) | 0.47 | (2.5) | 0.47 | (2.5) | 0.47 | (2.5) | 0.47 | (2.5) |
| SO2T20 | 0.50 | (5.0) | 0.35 | (2.5) | 0.35 | (2.5) | 0.35 | (2.5) | 0.35 | (2.5) |
| SO5T5 | 0.53 | (5.0) | 0.43 | (2.5) | 0.43 | (2.5) | 0.43 | (2.5) | 0.43 | (2.5) |
| SO5T10 | 0.48 | (5.0) | 0.46 | (2.5) | 0.46 | (2.5) | 0.46 | (2.5) | 0.46 | (2.5) |
| SO5T15 | 0.45 | (5.0) | 0.43 | (2.5) | 0.43 | (2.5) | 0.43 | (2.5) | 0.43 | (2.5) |
| SO5T20 | 0.46 | (5.0) | 0.39 | (2.5) | 0.39 | (2.5) | 0.39 | (2.5) | 0.39 | (2.5) |
| SO10T5 | 0.49 | (1.0) | 0.50 | (3.5) | 0.50 | (3.5) | 0.50 | (3.5) | 0.50 | (3.5) |
| SO10T10 | 0.49 | (1.0) | 0.52 | (3.5) | 0.52 | (3.5) | 0.52 | (3.5) | 0.52 | (3.5) |
| SO10T15 | 0.47 | (1.0) | 0.49 | (3.5) | 0.49 | (3.5) | 0.49 | (3.5) | 0.49 | (3.5) |
| SO10T20 | 0.46 | (1.0) | 0.50 | (3.5) | 0.50 | (3.5) | 0.50 | (3.5) | 0.50 | (3.5) |
| Avg. Rank | | (3.7) | | (2.9) | | (2.9) | | (2.8) | | (2.8) |

Table 1: MAE_BR
Datasets: 12, Systems: 5
CD 1%: 2.1 — CD 5%: 1.8 — CD 10%: 1.6

| | NOZS | | MTZS _{SRE} | | ZSMT _{SRE} | | MTZS _{SRM} | | ZSMT _{SRM} | |
|-----------|-------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|
| SO2T5 | 0.60 | (5.0) | 0.44 | (4.0) | 0.40 | (1.5) | 0.43 | (3.0) | 0.40 | (1.5) |
| SO2T10 | 0.62 | (5.0) | 0.57 | (4.0) | 0.54 | (2.0) | 0.56 | (3.0) | 0.53 | (1.0) |
| SO2T15 | 0.59 | (5.0) | 0.51 | (4.0) | 0.47 | (1.5) | 0.50 | (3.0) | 0.47 | (1.5) |
| SO2T20 | 0.50 | (5.0) | 0.39 | (4.0) | 0.35 | (1.5) | 0.38 | (3.0) | 0.35 | (1.5) |
| SO5T5 | 0.54 | (5.0) | 0.49 | (2.0) | 0.52 | (3.0) | 0.48 | (1.0) | 0.53 | (4.0) |
| SO5T10 | 0.50 | (3.5) | 0.51 | (5.0) | 0.46 | (1.5) | 0.50 | (3.5) | 0.46 | (1.5) |
| SO5T15 | 0.45 | (3.0) | 0.51 | (5.0) | 0.43 | (1.5) | 0.49 | (4.0) | 0.43 | (1.5) |
| SO5T20 | 0.48 | (4.5) | 0.48 | (4.5) | 0.40 | (1.5) | 0.46 | (3.0) | 0.40 | (1.5) |
| SO10T5 | 0.52 | (3.0) | 0.56 | (4.5) | 0.50 | (1.5) | 0.56 | (4.5) | 0.50 | (1.5) |
| SO10T10 | 0.49 | (1.0) | 0.58 | (5.0) | 0.52 | (2.5) | 0.57 | (4.0) | 0.52 | (2.5) |
| SO10T15 | 0.46 | (1.0) | 0.56 | (5.0) | 0.52 | (2.5) | 0.55 | (4.0) | 0.52 | (2.5) |
| SO10T20 | 0.47 | (1.0) | 0.57 | (5.0) | 0.51 | (2.5) | 0.56 | (4.0) | 0.51 | (2.5) |
| Avg. Rank | | (3.5) | | (4.3) | | (1.9) | | (3.3) | | (1.9) |

Table 2: MAE_RC
Datasets: 12, Systems: 5
CD 1%: 2.1 — CD 5%: 1.8 — CD 10%: 1.6

| | NOZS | | MTZS _{SRE} | | ZSMT _{SRE} | | MTZS _{SRM} | | ZSMT _{SRM} | |
|-----------|-------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|
| SO2T5 | 0.62 | (5.0) | 0.49 | (4.0) | 0.40 | (1.5) | 0.47 | (3.0) | 0.40 | (1.5) |
| SO2T10 | 0.62 | (5.0) | 0.60 | (4.0) | 0.54 | (2.0) | 0.59 | (3.0) | 0.53 | (1.0) |
| SO2T15 | 0.60 | (5.0) | 0.57 | (4.0) | 0.47 | (1.0) | 0.55 | (3.0) | 0.48 | (2.0) |
| SO2T20 | 0.50 | (5.0) | 0.45 | (4.0) | 0.35 | (1.5) | 0.43 | (3.0) | 0.35 | (1.5) |
| SO5T5 | 0.53 | (4.5) | 0.53 | (4.5) | 0.43 | (1.5) | 0.52 | (3.0) | 0.43 | (1.5) |
| SO5T10 | 0.49 | (3.0) | 0.54 | (4.5) | 0.46 | (1.5) | 0.54 | (4.5) | 0.46 | (1.5) |
| SO5T15 | 0.45 | (3.0) | 0.54 | (5.0) | 0.43 | (1.5) | 0.53 | (4.0) | 0.43 | (1.5) |
| SO5T20 | 0.46 | (3.0) | 0.54 | (5.0) | 0.39 | (1.5) | 0.52 | (4.0) | 0.39 | (1.5) |
| SO10T5 | 0.48 | (1.0) | 0.58 | (4.5) | 0.50 | (2.5) | 0.58 | (4.5) | 0.50 | (2.5) |
| SO10T10 | 0.50 | (1.0) | 0.60 | (5.0) | 0.52 | (2.5) | 0.59 | (4.0) | 0.52 | (2.5) |
| SO10T15 | 0.46 | (1.0) | 0.58 | (4.5) | 0.49 | (2.5) | 0.58 | (4.5) | 0.49 | (2.5) |
| SO10T20 | 0.46 | (1.0) | 0.60 | (5.0) | 0.50 | (2.5) | 0.59 | (4.0) | 0.50 | (2.5) |
| Avg. Rank | | (3.1) | | (4.5) | | (1.8) | | (3.7) | | (1.8) |

Table 3: MAE_STA
Datasets: 12, Systems: 5
CD 1%: 2.1 — CD 5%: 1.8 — CD 10%: 1.6

| | NOZS | | MTZS _{SRE} | | ZSMT _{SRE} | | MTZS _{SRM} | | ZSMT _{SRM} | |
|-----------|-------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|
| SO2T5 | 0.59 | (5.0) | 0.46 | (4.0) | 0.40 | (1.5) | 0.44 | (3.0) | 0.40 | (1.5) |
| SO2T10 | 0.63 | (5.0) | 0.59 | (4.0) | 0.54 | (2.0) | 0.57 | (3.0) | 0.53 | (1.0) |
| SO2T15 | 0.59 | (5.0) | 0.53 | (4.0) | 0.47 | (1.5) | 0.52 | (3.0) | 0.47 | (1.5) |
| SO2T20 | 0.50 | (5.0) | 0.42 | (4.0) | 0.35 | (1.5) | 0.41 | (3.0) | 0.35 | (1.5) |
| SO5T5 | 0.70 | (5.0) | 0.53 | (4.0) | 0.43 | (1.5) | 0.52 | (3.0) | 0.43 | (1.5) |
| SO5T10 | 0.51 | (3.0) | 0.54 | (5.0) | 0.46 | (1.5) | 0.53 | (4.0) | 0.46 | (1.5) |
| SO5T15 | 0.50 | (3.0) | 0.54 | (5.0) | 0.43 | (1.5) | 0.53 | (4.0) | 0.43 | (1.5) |
| SO5T20 | 0.47 | (3.0) | 0.53 | (5.0) | 0.40 | (1.5) | 0.51 | (4.0) | 0.40 | (1.5) |
| SO10T5 | 0.49 | (1.0) | 0.59 | (5.0) | 0.50 | (2.5) | 0.58 | (4.0) | 0.50 | (2.5) |
| SO10T10 | 0.51 | (1.0) | 0.60 | (4.5) | 0.53 | (2.5) | 0.60 | (4.5) | 0.53 | (2.5) |
| SO10T15 | 0.50 | (3.0) | 0.58 | (4.5) | 0.49 | (1.5) | 0.58 | (4.5) | 0.49 | (1.5) |
| SO10T20 | 0.48 | (1.0) | 0.60 | (5.0) | 0.50 | (2.5) | 0.59 | (4.0) | 0.50 | (2.5) |
| Avg. Rank | | (3.3) | | (4.5) | | (1.8) | | (3.7) | | (1.7) |

Table 4: MAE_DBR
Datasets: 12, Systems: 5
CD 1%: 2.1 — CD 5%: 1.8 — CD 10%: 1.6

| | NOZS | | MTZS _{SRE} | | ZSMT _{SRE} | | MTZS _{SRM} | | ZSMT _{SRM} | |
|-----------|-------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|
| SO2T5 | 0.72 | (5.0) | 0.29 | (1.5) | 0.29 | (1.5) | 0.30 | (3.5) | 0.30 | (3.5) |
| SO2T10 | 0.83 | (5.0) | 0.59 | (2.5) | 0.59 | (2.5) | 0.59 | (2.5) | 0.59 | (2.5) |
| SO2T15 | 0.63 | (5.0) | 0.38 | (2.5) | 0.38 | (2.5) | 0.38 | (2.5) | 0.38 | (2.5) |
| SO2T20 | 0.47 | (5.0) | 0.21 | (2.5) | 0.21 | (2.5) | 0.21 | (2.5) | 0.21 | (2.5) |
| SO5T5 | 0.55 | (5.0) | 0.33 | (1.5) | 0.33 | (1.5) | 0.34 | (3.5) | 0.34 | (3.5) |
| SO5T10 | 0.46 | (5.0) | 0.37 | (2.5) | 0.37 | (2.5) | 0.37 | (2.5) | 0.37 | (2.5) |
| SO5T15 | 0.43 | (5.0) | 0.33 | (3.5) | 0.33 | (3.5) | 0.32 | (1.5) | 0.32 | (1.5) |
| SO5T20 | 0.42 | (5.0) | 0.26 | (2.5) | 0.26 | (2.5) | 0.26 | (2.5) | 0.26 | (2.5) |
| SO10T5 | 0.49 | (5.0) | 0.45 | (2.5) | 0.45 | (2.5) | 0.45 | (2.5) | 0.45 | (2.5) |
| SO10T10 | 0.47 | (3.0) | 0.47 | (3.0) | 0.47 | (3.0) | 0.47 | (3.0) | 0.47 | (3.0) |
| SO10T15 | 0.44 | (5.0) | 0.41 | (2.5) | 0.41 | (2.5) | 0.41 | (2.5) | 0.41 | (2.5) |
| SO10T20 | 0.43 | (3.0) | 0.43 | (3.0) | 0.43 | (3.0) | 0.43 | (3.0) | 0.43 | (3.0) |
| Avg. Rank | | (4.7) | | (2.5) | | (2.5) | | (2.7) | | (2.7) |

Table 5: MSE_BR
Datasets: 12, Systems: 5
CD 1%: 2.1 — CD 5%: 1.8 — CD 10%: 1.6

| | NOZS | | MTZS _{SRE} | | ZSMT _{SRE} | | MTZS _{SRM} | | ZSMT _{SRM} | |
|-----------|-------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|
| SO2T5 | 0.69 | (5.0) | 0.35 | (4.0) | 0.29 | (1.0) | 0.33 | (3.0) | 0.30 | (2.0) |
| SO2T10 | 0.81 | (5.0) | 0.65 | (4.0) | 0.59 | (2.0) | 0.63 | (3.0) | 0.58 | (1.0) |
| SO2T15 | 0.68 | (5.0) | 0.45 | (4.0) | 0.38 | (1.5) | 0.43 | (3.0) | 0.38 | (1.5) |
| SO2T20 | 0.47 | (5.0) | 0.28 | (4.0) | 0.21 | (1.5) | 0.26 | (3.0) | 0.21 | (1.5) |
| SO5T5 | 0.57 | (3.0) | 0.43 | (2.0) | 0.67 | (4.0) | 0.41 | (1.0) | 0.70 | (5.0) |
| SO5T10 | 0.48 | (5.0) | 0.45 | (4.0) | 0.37 | (1.5) | 0.44 | (3.0) | 0.37 | (1.5) |
| SO5T15 | 0.43 | (3.5) | 0.45 | (5.0) | 0.32 | (1.5) | 0.43 | (3.5) | 0.32 | (1.5) |
| SO5T20 | 0.44 | (5.0) | 0.39 | (4.0) | 0.27 | (1.5) | 0.37 | (3.0) | 0.27 | (1.5) |
| SO10T5 | 0.55 | (4.5) | 0.55 | (4.5) | 0.44 | (1.5) | 0.54 | (3.0) | 0.44 | (1.5) |
| SO10T10 | 0.47 | (2.0) | 0.56 | (5.0) | 0.47 | (2.0) | 0.55 | (4.0) | 0.47 | (2.0) |
| SO10T15 | 0.41 | (1.0) | 0.51 | (5.0) | 0.48 | (2.5) | 0.50 | (4.0) | 0.48 | (2.5) |
| SO10T20 | 0.44 | (1.0) | 0.55 | (5.0) | 0.45 | (2.0) | 0.54 | (4.0) | 0.46 | (3.0) |
| Avg. Rank | | (3.8) | | (4.2) | | (1.9) | | (3.1) | | (2.0) |

Table 6: MSE_RC
Datasets: 12, Systems: 5
CD 1%: 2.1 — CD 5%: 1.8 — CD 10%: 1.6

| | NOZS | | MTZS _{SRE} | | ZSMT _{SRE} | | MTZS _{SRM} | | ZSMT _{SRM} | |
|-----------|-------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|
| SO2T5 | 0.82 | (5.0) | 0.41 | (4.0) | 0.29 | (1.0) | 0.38 | (3.0) | 0.30 | (2.0) |
| SO2T10 | 0.84 | (5.0) | 0.71 | (4.0) | 0.59 | (2.0) | 0.68 | (3.0) | 0.58 | (1.0) |
| SO2T15 | 0.68 | (5.0) | 0.55 | (4.0) | 0.38 | (1.5) | 0.52 | (3.0) | 0.38 | (1.5) |
| SO2T20 | 0.46 | (5.0) | 0.35 | (4.0) | 0.21 | (1.5) | 0.33 | (3.0) | 0.21 | (1.5) |
| SO5T5 | 0.56 | (5.0) | 0.48 | (4.0) | 0.34 | (1.5) | 0.47 | (3.0) | 0.34 | (1.5) |
| SO5T10 | 0.48 | (3.0) | 0.50 | (5.0) | 0.37 | (1.5) | 0.49 | (4.0) | 0.37 | (1.5) |
| SO5T15 | 0.42 | (3.0) | 0.51 | (5.0) | 0.33 | (2.0) | 0.49 | (4.0) | 0.32 | (1.0) |
| SO5T20 | 0.43 | (3.0) | 0.48 | (5.0) | 0.26 | (1.5) | 0.46 | (4.0) | 0.26 | (1.5) |
| SO10T5 | 0.48 | (3.0) | 0.58 | (5.0) | 0.45 | (1.5) | 0.57 | (4.0) | 0.45 | (1.5) |
| SO10T10 | 0.49 | (3.0) | 0.59 | (5.0) | 0.48 | (1.5) | 0.58 | (4.0) | 0.48 | (1.5) |
| SO10T15 | 0.41 | (2.0) | 0.55 | (5.0) | 0.41 | (2.0) | 0.54 | (4.0) | 0.41 | (2.0) |
| SO10T20 | 0.43 | (2.0) | 0.60 | (5.0) | 0.43 | (2.0) | 0.59 | (4.0) | 0.43 | (2.0) |
| Avg. Rank | | (3.7) | | (4.6) | | (1.6) | | (3.6) | | (1.5) |

Table 7: MSE_STA
Datasets: 12, Systems: 5
CD 1%: 2.1 — CD 5%: 1.8 — CD 10%: 1.6

| | NOZS | | MTZS _{SRE} | | ZSMT _{SRE} | | MTZS _{SRM} | | ZSMT _{SRM} | |
|-----------|------|-------|---------------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|
| SO2T5 | 0.68 | (5.0) | 0.38 | (4.0) | 0.29 | (1.0) | 0.35 | (3.0) | 0.30 | (2.0) |
| SO2T10 | 0.83 | (5.0) | 0.68 | (4.0) | 0.59 | (2.0) | 0.65 | (3.0) | 0.58 | (1.0) |
| SO2T15 | 0.67 | (5.0) | 0.49 | (4.0) | 0.38 | (1.5) | 0.46 | (3.0) | 0.38 | (1.5) |
| SO2T20 | 0.46 | (5.0) | 0.31 | (4.0) | 0.21 | (1.5) | 0.29 | (3.0) | 0.21 | (1.5) |
| SO5T5 | 1.16 | (5.0) | 0.49 | (4.0) | 0.33 | (1.0) | 0.47 | (3.0) | 0.34 | (2.0) |
| SO5T10 | 0.51 | (5.0) | 0.50 | (4.0) | 0.37 | (1.5) | 0.48 | (3.0) | 0.37 | (1.5) |
| SO5T15 | 0.51 | (5.0) | 0.50 | (4.0) | 0.33 | (2.0) | 0.48 | (3.0) | 0.32 | (1.0) |
| SO5T20 | 0.43 | (3.0) | 0.47 | (5.0) | 0.26 | (1.5) | 0.44 | (4.0) | 0.26 | (1.5) |
| SO10T5 | 0.48 | (3.0) | 0.59 | (5.0) | 0.45 | (1.5) | 0.58 | (4.0) | 0.45 | (1.5) |
| SO10T10 | 0.50 | (3.0) | 0.60 | (5.0) | 0.47 | (1.5) | 0.59 | (4.0) | 0.47 | (1.5) |
| SO10T15 | 0.48 | (3.0) | 0.56 | (5.0) | 0.41 | (1.5) | 0.55 | (4.0) | 0.41 | (1.5) |
| SO10T20 | 0.45 | (3.0) | 0.60 | (5.0) | 0.43 | (1.5) | 0.59 | (4.0) | 0.43 | (1.5) |
| Avg. Rank | | (4.2) | | (4.4) | | (1.5) | | (3.4) | | (1.5) |

Table 8: MSE_DBR
Datasets: 12, Systems: 5
CD 1%: 2.1 — CD 5%: 1.8 — CD 10%: 1.6

| | NOZS | | MTZS _{SRE} | | ZSMT _{SRE} | | MTZS _{SRM} | | ZSMT _{SRM} | |
|-----------|--------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|
| SO2T5 | 81.15 | (5.0) | 53.02 | (1.5) | 53.02 | (1.5) | 53.44 | (3.5) | 53.44 | (3.5) |
| SO2T10 | 86.24 | (5.0) | 71.29 | (3.5) | 71.29 | (3.5) | 70.95 | (1.5) | 70.95 | (1.5) |
| SO2T15 | 75.05 | (5.0) | 60.46 | (3.5) | 60.46 | (3.5) | 60.45 | (1.5) | 60.45 | (1.5) |
| SO2T20 | 65.96 | (5.0) | 44.58 | (1.5) | 44.58 | (1.5) | 44.77 | (3.5) | 44.77 | (3.5) |
| SO5T5 | 70.00 | (5.0) | 55.96 | (1.5) | 55.96 | (1.5) | 56.29 | (3.5) | 56.29 | (3.5) |
| SO5T10 | 63.78 | (5.0) | 59.10 | (3.5) | 59.10 | (3.5) | 59.06 | (1.5) | 59.06 | (1.5) |
| SO5T15 | 60.92 | (5.0) | 54.69 | (3.5) | 54.69 | (3.5) | 54.47 | (1.5) | 54.47 | (1.5) |
| SO5T20 | 61.54 | (5.0) | 50.26 | (3.5) | 50.26 | (3.5) | 50.15 | (1.5) | 50.15 | (1.5) |
| SO10T5 | 64.90 | (5.0) | 64.63 | (1.5) | 64.63 | (1.5) | 64.81 | (3.5) | 64.81 | (3.5) |
| SO10T10 | 64.18 | (1.0) | 66.79 | (2.5) | 66.79 | (2.5) | 66.83 | (4.5) | 66.83 | (4.5) |
| SO10T15 | 60.78 | (1.0) | 61.32 | (2.5) | 61.32 | (2.5) | 61.48 | (4.5) | 61.48 | (4.5) |
| SO10T20 | 60.78 | (1.0) | 63.60 | (2.5) | 63.60 | (2.5) | 63.80 | (4.5) | 63.80 | (4.5) |
| Avg. Rank | | (4.0) | | (2.6) | | (2.6) | | (2.9) | | (2.9) |

Table 9: RMSE_BR
Datasets: 12, Systems: 5
CD 1%: 2.1 — CD 5%: 1.8 — CD 10%: 1.6

| | NOZS | | MTZS _{SRE} | | ZSMT _{SRE} | | MTZS _{SRM} | | ZSMT _{SRM} | |
|-----------|--------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|
| SO2T5 | 79.95 | (5.0) | 57.94 | (4.0) | 53.00 | (1.0) | 56.64 | (3.0) | 53.40 | (2.0) |
| SO2T10 | 85.26 | (5.0) | 75.81 | (4.0) | 71.13 | (2.0) | 74.20 | (3.0) | 70.80 | (1.0) |
| SO2T15 | 77.82 | (5.0) | 65.52 | (4.0) | 60.39 | (2.0) | 64.30 | (3.0) | 60.38 | (1.0) |
| SO2T20 | 66.15 | (5.0) | 50.70 | (4.0) | 44.38 | (1.0) | 49.44 | (3.0) | 44.56 | (2.0) |
| SO5T5 | 71.18 | (4.0) | 63.40 | (2.0) | 70.15 | (3.0) | 62.40 | (1.0) | 71.44 | (5.0) |
| SO5T10 | 65.12 | (4.0) | 65.52 | (5.0) | 58.93 | (2.0) | 64.37 | (3.0) | 58.90 | (1.0) |
| SO5T15 | 60.78 | (3.0) | 64.78 | (5.0) | 54.39 | (2.0) | 62.98 | (4.0) | 54.17 | (1.0) |
| SO5T20 | 62.64 | (5.0) | 61.34 | (4.0) | 50.72 | (2.0) | 59.48 | (3.0) | 50.57 | (1.0) |
| SO10T5 | 68.86 | (3.0) | 71.77 | (5.0) | 64.24 | (1.0) | 71.10 | (4.0) | 64.42 | (2.0) |
| SO10T10 | 63.65 | (1.0) | 73.01 | (5.0) | 66.65 | (2.0) | 72.27 | (4.0) | 66.69 | (3.0) |
| SO10T15 | 59.55 | (1.0) | 69.34 | (5.0) | 65.49 | (3.0) | 68.61 | (4.0) | 65.42 | (2.0) |
| SO10T20 | 61.48 | (1.0) | 72.17 | (5.0) | 65.81 | (2.0) | 71.50 | (4.0) | 66.10 | (3.0) |
| Avg. Rank | | (3.5) | | (4.3) | | (1.9) | | (3.2) | | (2.0) |

Table 10: RMSE_RC
Datasets: 12, Systems: 5
CD 1%: 2.1 — CD 5%: 1.8 — CD 10%: 1.6

| | NOZS | | MTZS _{SRE} | | ZSMT _{SRE} | | MTZS _{SRM} | | ZSMT _{SRM} | |
|-----------|--------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|
| SO2T5 | 85.87 | (5.0) | 63.07 | (4.0) | 53.05 | (1.0) | 61.23 | (3.0) | 53.49 | (2.0) |
| SO2T10 | 86.50 | (5.0) | 80.14 | (4.0) | 71.13 | (2.0) | 78.23 | (3.0) | 70.78 | (1.0) |
| SO2T15 | 77.54 | (5.0) | 72.90 | (4.0) | 60.46 | (2.0) | 70.68 | (3.0) | 60.45 | (1.0) |
| SO2T20 | 65.87 | (5.0) | 58.28 | (4.0) | 44.52 | (1.0) | 56.13 | (3.0) | 44.72 | (2.0) |
| SO5T5 | 70.28 | (5.0) | 67.63 | (4.0) | 56.19 | (1.0) | 66.65 | (3.0) | 56.52 | (2.0) |
| SO5T10 | 64.50 | (3.0) | 69.05 | (5.0) | 59.07 | (2.0) | 68.19 | (4.0) | 59.04 | (1.0) |
| SO5T15 | 60.45 | (3.0) | 68.91 | (5.0) | 54.67 | (2.0) | 67.38 | (4.0) | 54.44 | (1.0) |
| SO5T20 | 61.80 | (3.0) | 68.48 | (5.0) | 50.28 | (2.0) | 66.76 | (4.0) | 50.18 | (1.0) |
| SO10T5 | 64.46 | (1.0) | 73.84 | (5.0) | 64.81 | (2.0) | 73.62 | (4.0) | 64.98 | (3.0) |
| SO10T10 | 64.70 | (1.0) | 75.18 | (5.0) | 66.90 | (2.0) | 74.81 | (4.0) | 66.94 | (3.0) |
| SO10T15 | 59.59 | (1.0) | 72.11 | (5.0) | 61.50 | (2.0) | 71.74 | (4.0) | 61.67 | (3.0) |
| SO10T20 | 60.90 | (1.0) | 75.32 | (5.0) | 63.80 | (2.0) | 74.92 | (4.0) | 63.99 | (3.0) |
| Avg. Rank | | (3.2) | | (4.6) | | (1.8) | | (3.6) | | (1.9) |

Table 11: RMSE_STA
Datasets: 12, Systems: 5
CD 1%: 2.1 — CD 5%: 1.8 — CD 10%: 1.6

| | NOZS | | MTZS _{SRE} | | ZSMT _{SRE} | | MTZS _{SRM} | | ZSMT _{SRM} | |
|-----------|--------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|
| SO2T5 | 79.07 | (5.0) | 60.73 | (4.0) | 53.02 | (1.0) | 58.53 | (3.0) | 53.43 | (2.0) |
| SO2T10 | 86.16 | (5.0) | 78.14 | (4.0) | 71.15 | (2.0) | 75.84 | (3.0) | 70.81 | (1.0) |
| SO2T15 | 76.92 | (5.0) | 68.49 | (4.0) | 60.33 | (2.0) | 66.61 | (3.0) | 60.32 | (1.0) |
| SO2T20 | 65.48 | (5.0) | 54.79 | (4.0) | 44.44 | (1.0) | 52.58 | (3.0) | 44.62 | (2.0) |
| SO5T5 | 90.01 | (5.0) | 67.77 | (4.0) | 55.89 | (1.0) | 66.54 | (3.0) | 56.21 | (2.0) |
| SO5T10 | 66.00 | (3.0) | 68.84 | (5.0) | 59.03 | (2.0) | 67.74 | (4.0) | 59.00 | (1.0) |
| SO5T15 | 65.72 | (3.0) | 68.67 | (5.0) | 54.69 | (2.0) | 66.92 | (4.0) | 54.46 | (1.0) |
| SO5T20 | 61.90 | (3.0) | 67.36 | (5.0) | 50.42 | (2.0) | 65.33 | (4.0) | 50.31 | (1.0) |
| SO10T5 | 64.50 | (1.0) | 74.34 | (5.0) | 64.71 | (2.0) | 73.79 | (4.0) | 64.88 | (3.0) |
| SO10T10 | 65.57 | (1.0) | 75.77 | (5.0) | 66.87 | (2.0) | 75.21 | (4.0) | 66.91 | (3.0) |
| SO10T15 | 64.21 | (3.0) | 72.66 | (5.0) | 61.48 | (1.0) | 72.11 | (4.0) | 61.64 | (2.0) |
| SO10T20 | 62.30 | (1.0) | 75.74 | (5.0) | 63.78 | (2.0) | 75.14 | (4.0) | 63.97 | (3.0) |
| Avg. Rank | | (3.3) | | (4.6) | | (1.7) | | (3.6) | | (1.8) |

Table 12: RMSE_DBR
Datasets: 12, Systems: 5
CD 1%: 2.1 — CD 5%: 1.8 — CD 10%: 1.6

| | NOZS | | MTZS _{SRE} | | ZSMT _{SRE} | | MTZS _{SRM} | | ZSMT _{SRM} | |
|-----------|--------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|
| SO2T5 | 82.53 | (5.0) | 54.85 | (1.5) | 54.85 | (1.5) | 55.32 | (3.5) | 55.32 | (3.5) |
| SO2T10 | 88.56 | (5.0) | 73.28 | (3.5) | 73.28 | (3.5) | 72.93 | (1.5) | 72.93 | (1.5) |
| SO2T15 | 70.81 | (5.0) | 57.79 | (2.5) | 57.79 | (2.5) | 57.79 | (2.5) | 57.79 | (2.5) |
| SO2T20 | 70.65 | (5.0) | 47.62 | (1.5) | 47.62 | (1.5) | 47.80 | (3.5) | 47.80 | (3.5) |
| SO5T5 | 68.35 | (5.0) | 55.10 | (1.5) | 55.10 | (1.5) | 55.42 | (3.5) | 55.42 | (3.5) |
| SO5T10 | 69.12 | (5.0) | 63.94 | (3.5) | 63.94 | (3.5) | 63.92 | (1.5) | 63.92 | (1.5) |
| SO5T15 | 59.54 | (5.0) | 53.72 | (3.5) | 53.72 | (3.5) | 53.50 | (1.5) | 53.50 | (1.5) |
| SO5T20 | 63.19 | (5.0) | 52.04 | (3.5) | 52.04 | (3.5) | 51.92 | (1.5) | 51.92 | (1.5) |
| SO10T5 | 62.68 | (1.0) | 62.92 | (2.5) | 62.92 | (2.5) | 63.09 | (4.5) | 63.09 | (4.5) |
| SO10T10 | 65.71 | (1.0) | 68.25 | (2.5) | 68.25 | (2.5) | 68.31 | (4.5) | 68.31 | (4.5) |
| SO10T15 | 60.03 | (1.0) | 60.19 | (2.5) | 60.19 | (2.5) | 60.35 | (4.5) | 60.35 | (4.5) |
| SO10T20 | 58.32 | (1.0) | 61.58 | (2.5) | 61.58 | (2.5) | 61.77 | (4.5) | 61.77 | (4.5) |
| Avg. Rank | | (3.7) | | (2.6) | | (2.6) | | (3.1) | | (3.1) |

Table 13: RRMSE_BR

Datasets: 12, Systems: 5

CD 1%: 2.1 — CD 5%: 1.8 — CD 10%: 1.6

| | NOZS | | MTZS _{SRE} | | ZSMT _{SRE} | | MTZS _{SRM} | | ZSMT _{SRM} | |
|-----------|--------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|
| SO2T5 | 81.40 | (5.0) | 59.93 | (4.0) | 54.80 | (1.0) | 58.62 | (3.0) | 55.26 | (2.0) |
| SO2T10 | 87.61 | (5.0) | 77.68 | (4.0) | 73.12 | (2.0) | 76.11 | (3.0) | 72.78 | (1.0) |
| SO2T15 | 73.29 | (5.0) | 62.40 | (4.0) | 57.74 | (1.5) | 61.32 | (3.0) | 57.74 | (1.5) |
| SO2T20 | 70.85 | (5.0) | 53.89 | (4.0) | 47.42 | (1.0) | 52.59 | (3.0) | 47.59 | (2.0) |
| SO5T5 | 69.64 | (4.0) | 62.50 | (2.0) | 69.12 | (3.0) | 61.51 | (1.0) | 70.38 | (5.0) |
| SO5T10 | 71.49 | (5.0) | 71.01 | (4.0) | 63.78 | (2.0) | 69.73 | (3.0) | 63.76 | (1.0) |
| SO5T15 | 59.51 | (3.0) | 63.61 | (5.0) | 53.42 | (2.0) | 61.82 | (4.0) | 53.21 | (1.0) |
| SO5T20 | 64.57 | (5.0) | 63.61 | (4.0) | 52.58 | (2.0) | 61.68 | (3.0) | 52.42 | (1.0) |
| SO10T5 | 66.73 | (3.0) | 69.77 | (5.0) | 62.53 | (1.0) | 69.12 | (4.0) | 62.71 | (2.0) |
| SO10T10 | 65.27 | (1.0) | 74.75 | (5.0) | 68.10 | (2.0) | 74.00 | (4.0) | 68.16 | (3.0) |
| SO10T15 | 58.98 | (1.0) | 68.27 | (5.0) | 64.15 | (3.0) | 67.55 | (4.0) | 64.08 | (2.0) |
| SO10T20 | 59.05 | (1.0) | 69.65 | (5.0) | 63.73 | (2.0) | 69.01 | (4.0) | 64.00 | (3.0) |
| Avg. Rank | | (3.6) | | (4.2) | | (1.9) | | (3.2) | | (2.0) |

Table 14: RRMSE_RC

Datasets: 12, Systems: 5

CD 1%: 2.1 — CD 5%: 1.8 — CD 10%: 1.6

| | NOZS | | MTZS _{SRE} | | ZSMT _{SRE} | | MTZS _{SRM} | | ZSMT _{SRM} | |
|-----------|--------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|
| SO2T5 | 87.46 | (5.0) | 65.03 | (4.0) | 54.87 | (1.0) | 63.19 | (3.0) | 55.37 | (2.0) |
| SO2T10 | 88.83 | (5.0) | 82.14 | (4.0) | 73.12 | (2.0) | 80.23 | (3.0) | 72.77 | (1.0) |
| SO2T15 | 73.29 | (5.0) | 69.37 | (4.0) | 57.79 | (1.5) | 67.36 | (3.0) | 57.79 | (1.5) |
| SO2T20 | 70.62 | (5.0) | 62.40 | (4.0) | 47.56 | (1.0) | 60.09 | (3.0) | 47.75 | (2.0) |
| SO5T5 | 68.55 | (5.0) | 66.56 | (4.0) | 55.33 | (1.0) | 65.60 | (3.0) | 55.65 | (2.0) |
| SO5T10 | 69.97 | (3.0) | 74.73 | (5.0) | 63.92 | (2.0) | 73.78 | (4.0) | 63.89 | (1.0) |
| SO5T15 | 59.15 | (3.0) | 67.63 | (5.0) | 53.70 | (2.0) | 66.11 | (4.0) | 53.48 | (1.0) |
| SO5T20 | 63.46 | (3.0) | 70.75 | (5.0) | 52.08 | (2.0) | 68.97 | (4.0) | 51.98 | (1.0) |
| SO10T5 | 62.24 | (1.0) | 71.75 | (5.0) | 63.10 | (2.0) | 71.53 | (4.0) | 63.28 | (3.0) |
| SO10T10 | 66.07 | (1.0) | 76.98 | (5.0) | 68.36 | (2.0) | 76.60 | (4.0) | 68.42 | (3.0) |
| SO10T15 | 58.90 | (1.0) | 71.01 | (5.0) | 60.35 | (2.0) | 70.65 | (4.0) | 60.52 | (3.0) |
| SO10T20 | 58.43 | (1.0) | 72.79 | (5.0) | 61.75 | (2.0) | 72.41 | (4.0) | 61.94 | (3.0) |
| Avg. Rank | | (3.2) | | (4.6) | | (1.7) | | (3.6) | | (2.0) |

Table 15: RRMSE_STA

Datasets: 12, Systems: 5

CD 1%: 2.1 — CD 5%: 1.8 — CD 10%: 1.6

| | NOZS | | MTZS _{SRE} | | ZSMT _{SRE} | | MTZS _{SRM} | | ZSMT _{SRM} | |
|-----------|--------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|
| SO2T5 | 80.93 | (5.0) | 62.66 | (4.0) | 54.81 | (1.0) | 60.46 | (3.0) | 55.28 | (2.0) |
| SO2T10 | 88.65 | (5.0) | 80.10 | (4.0) | 73.14 | (2.0) | 77.82 | (3.0) | 72.80 | (1.0) |
| SO2T15 | 72.36 | (5.0) | 65.31 | (4.0) | 57.68 | (1.5) | 63.59 | (3.0) | 57.68 | (1.5) |
| SO2T20 | 70.25 | (5.0) | 58.73 | (4.0) | 47.49 | (1.0) | 56.34 | (3.0) | 47.66 | (2.0) |
| SO5T5 | 87.25 | (5.0) | 66.69 | (4.0) | 55.01 | (1.0) | 65.50 | (3.0) | 55.33 | (2.0) |
| SO5T10 | 71.82 | (3.0) | 74.56 | (5.0) | 63.86 | (2.0) | 73.38 | (4.0) | 63.84 | (1.0) |
| SO5T15 | 64.37 | (3.0) | 67.44 | (5.0) | 53.72 | (2.0) | 65.71 | (4.0) | 53.50 | (1.0) |
| SO5T20 | 63.98 | (3.0) | 69.59 | (5.0) | 52.18 | (2.0) | 67.49 | (4.0) | 52.06 | (1.0) |
| SO10T5 | 62.46 | (1.0) | 72.26 | (5.0) | 62.99 | (2.0) | 71.72 | (4.0) | 63.16 | (3.0) |
| SO10T10 | 67.17 | (1.0) | 77.59 | (5.0) | 68.30 | (2.0) | 77.01 | (4.0) | 68.36 | (3.0) |
| SO10T15 | 63.37 | (3.0) | 71.56 | (5.0) | 60.36 | (1.0) | 71.01 | (4.0) | 60.51 | (2.0) |
| SO10T20 | 59.95 | (1.0) | 73.18 | (5.0) | 61.73 | (2.0) | 72.60 | (4.0) | 61.91 | (3.0) |
| Avg. Rank | | (3.3) | | (4.6) | | (1.6) | | (3.6) | | (1.9) |

Table 16: RRMSE_DBR

Datasets: 12, Systems: 5

CD 1%: 2.1 — CD 5%: 1.8 — CD 10%: 1.6

| | NOZS | | MTZS _{SRE} | | ZSMT _{SRE} | | MTZS _{SRM} | | ZSMT _{SRM} | |
|-----------|--------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|
| SO2T5 | 25.66 | (5.0) | 16.77 | (1.5) | 16.77 | (1.5) | 16.90 | (3.5) | 16.90 | (3.5) |
| SO2T10 | 27.27 | (5.0) | 22.54 | (3.5) | 22.54 | (3.5) | 22.43 | (1.5) | 22.43 | (1.5) |
| SO2T15 | 23.73 | (5.0) | 19.12 | (2.5) | 19.12 | (2.5) | 19.12 | (2.5) | 19.12 | (2.5) |
| SO2T20 | 20.86 | (5.0) | 14.10 | (1.5) | 14.10 | (1.5) | 14.16 | (3.5) | 14.16 | (3.5) |
| SO5T5 | 22.14 | (5.0) | 17.69 | (1.5) | 17.69 | (1.5) | 17.80 | (3.5) | 17.80 | (3.5) |
| SO5T10 | 20.17 | (5.0) | 18.69 | (3.5) | 18.69 | (3.5) | 18.68 | (1.5) | 18.68 | (1.5) |
| SO5T15 | 19.27 | (5.0) | 17.30 | (3.5) | 17.30 | (3.5) | 17.23 | (1.5) | 17.23 | (1.5) |
| SO5T20 | 19.46 | (5.0) | 15.89 | (3.5) | 15.89 | (3.5) | 15.86 | (1.5) | 15.86 | (1.5) |
| SO10T5 | 20.52 | (5.0) | 20.44 | (1.5) | 20.44 | (1.5) | 20.49 | (3.5) | 20.49 | (3.5) |
| SO10T10 | 20.29 | (1.0) | 21.12 | (2.5) | 21.12 | (2.5) | 21.13 | (4.5) | 21.13 | (4.5) |
| SO10T15 | 19.22 | (1.0) | 19.39 | (2.5) | 19.39 | (2.5) | 19.44 | (4.5) | 19.44 | (4.5) |
| SO10T20 | 19.22 | (1.0) | 20.11 | (2.5) | 20.11 | (2.5) | 20.17 | (4.5) | 20.17 | (4.5) |
| Avg. Rank | | (4.0) | | (2.5) | | (2.5) | | (3.0) | | (3.0) |

Table 17: ED_BR
Datasets: 12, Systems: 5
CD 1%: 2.1 — CD 5%: 1.8 — CD 10%: 1.6

| | NOZS | | MTZS _{SRE} | | ZSMT _{SRE} | | MTZS _{SRM} | | ZSMT _{SRM} | |
|-----------|--------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|
| SO2T5 | 25.28 | (5.0) | 18.32 | (4.0) | 16.76 | (1.0) | 17.91 | (3.0) | 16.89 | (2.0) |
| SO2T10 | 26.96 | (5.0) | 23.97 | (4.0) | 22.49 | (2.0) | 23.46 | (3.0) | 22.39 | (1.0) |
| SO2T15 | 24.61 | (5.0) | 20.72 | (4.0) | 19.10 | (2.0) | 20.33 | (3.0) | 19.09 | (1.0) |
| SO2T20 | 20.92 | (5.0) | 16.03 | (4.0) | 14.04 | (1.0) | 15.64 | (3.0) | 14.09 | (2.0) |
| SO5T5 | 22.51 | (4.0) | 20.05 | (2.0) | 22.18 | (3.0) | 19.73 | (1.0) | 22.59 | (5.0) |
| SO5T10 | 20.59 | (4.0) | 20.72 | (5.0) | 18.64 | (2.0) | 20.35 | (3.0) | 18.63 | (1.0) |
| SO5T15 | 19.22 | (3.0) | 20.49 | (5.0) | 17.20 | (2.0) | 19.91 | (4.0) | 17.13 | (1.0) |
| SO5T20 | 19.81 | (5.0) | 19.40 | (4.0) | 16.04 | (2.0) | 18.81 | (3.0) | 15.99 | (1.0) |
| SO10T5 | 21.77 | (3.0) | 22.69 | (5.0) | 20.31 | (1.0) | 22.48 | (4.0) | 20.37 | (2.0) |
| SO10T10 | 20.13 | (1.0) | 23.09 | (5.0) | 21.08 | (2.0) | 22.85 | (4.0) | 21.09 | (3.0) |
| SO10T15 | 18.83 | (1.0) | 21.93 | (5.0) | 20.71 | (3.0) | 21.70 | (4.0) | 20.69 | (2.0) |
| SO10T20 | 19.44 | (1.0) | 22.82 | (5.0) | 20.81 | (2.0) | 22.61 | (4.0) | 20.90 | (3.0) |
| Avg. Rank | | (3.5) | | (4.3) | | (1.9) | | (3.2) | | (2.0) |

Table 18: ED_RC
Datasets: 12, Systems: 5
CD 1%: 2.1 — CD 5%: 1.8 — CD 10%: 1.6

| | NOZS | | MTZS _{SRE} | | ZSMT _{SRE} | | MTZS _{SRM} | | ZSMT _{SRM} | |
|-----------|--------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|
| SO2T5 | 27.15 | (5.0) | 19.95 | (4.0) | 16.78 | (1.0) | 19.36 | (3.0) | 16.92 | (2.0) |
| SO2T10 | 27.35 | (5.0) | 25.34 | (4.0) | 22.49 | (2.0) | 24.74 | (3.0) | 22.38 | (1.0) |
| SO2T15 | 24.52 | (5.0) | 23.05 | (4.0) | 19.12 | (2.0) | 22.35 | (3.0) | 19.11 | (1.0) |
| SO2T20 | 20.83 | (5.0) | 18.43 | (4.0) | 14.08 | (1.0) | 17.75 | (3.0) | 14.14 | (2.0) |
| SO5T5 | 22.22 | (5.0) | 21.39 | (4.0) | 17.77 | (1.0) | 21.08 | (3.0) | 17.87 | (2.0) |
| SO5T10 | 20.40 | (3.0) | 21.84 | (5.0) | 18.68 | (2.0) | 21.56 | (4.0) | 18.67 | (1.0) |
| SO5T15 | 19.12 | (3.0) | 21.79 | (5.0) | 17.29 | (2.0) | 21.31 | (4.0) | 17.22 | (1.0) |
| SO5T20 | 19.54 | (3.0) | 21.65 | (5.0) | 15.90 | (2.0) | 21.11 | (4.0) | 15.87 | (1.0) |
| SO10T5 | 20.38 | (1.0) | 23.35 | (5.0) | 20.49 | (2.0) | 23.28 | (4.0) | 20.55 | (3.0) |
| SO10T10 | 20.46 | (1.0) | 23.77 | (5.0) | 21.16 | (2.0) | 23.66 | (4.0) | 21.17 | (3.0) |
| SO10T15 | 18.84 | (1.0) | 22.80 | (5.0) | 19.45 | (2.0) | 22.69 | (4.0) | 19.50 | (3.0) |
| SO10T20 | 19.26 | (1.0) | 23.82 | (5.0) | 20.17 | (2.0) | 23.69 | (4.0) | 20.24 | (3.0) |
| Avg. Rank | | (3.2) | | (4.6) | | (1.8) | | (3.6) | | (1.9) |

Table 19: ED_STA
Datasets: 12, Systems: 5
CD 1%: 2.1 — CD 5%: 1.8 — CD 10%: 1.6

| | NOZS | | MTZS _{SRE} | | ZSMT _{SRE} | | MTZS _{SRM} | | ZSMT _{SRM} | |
|-----------|--------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|
| SO2T5 | 25.00 | (5.0) | 19.20 | (4.0) | 16.77 | (1.0) | 18.51 | (3.0) | 16.90 | (2.0) |
| SO2T10 | 27.25 | (5.0) | 24.71 | (4.0) | 22.50 | (2.0) | 23.98 | (3.0) | 22.39 | (1.0) |
| SO2T15 | 24.32 | (5.0) | 21.66 | (4.0) | 19.08 | (2.0) | 21.06 | (3.0) | 19.07 | (1.0) |
| SO2T20 | 20.71 | (5.0) | 17.32 | (4.0) | 14.05 | (1.0) | 16.63 | (3.0) | 14.11 | (2.0) |
| SO5T5 | 28.46 | (5.0) | 21.43 | (4.0) | 17.67 | (1.0) | 21.04 | (3.0) | 17.78 | (2.0) |
| SO5T10 | 20.87 | (3.0) | 21.77 | (5.0) | 18.67 | (2.0) | 21.42 | (4.0) | 18.66 | (1.0) |
| SO5T15 | 20.78 | (3.0) | 21.72 | (5.0) | 17.29 | (2.0) | 21.16 | (4.0) | 17.22 | (1.0) |
| SO5T20 | 19.57 | (3.0) | 21.30 | (5.0) | 15.95 | (2.0) | 20.66 | (4.0) | 15.91 | (1.0) |
| SO10T5 | 20.40 | (1.0) | 23.51 | (5.0) | 20.46 | (2.0) | 23.33 | (4.0) | 20.52 | (3.0) |
| SO10T10 | 20.73 | (1.0) | 23.96 | (5.0) | 21.15 | (2.0) | 23.78 | (4.0) | 21.16 | (3.0) |
| SO10T15 | 20.30 | (3.0) | 22.98 | (5.0) | 19.44 | (1.0) | 22.80 | (4.0) | 19.49 | (2.0) |
| SO10T20 | 19.70 | (1.0) | 23.95 | (5.0) | 20.17 | (2.0) | 23.76 | (4.0) | 20.23 | (3.0) |
| Avg. Rank | | (3.3) | | (4.6) | | (1.7) | | (3.6) | | (1.8) |

Table 20: ED_DBR
Datasets: 12, Systems: 5
CD 1%: 2.1 — CD 5%: 1.8 — CD 10%: 1.6

| | NOZS | | MTZS _{SRE} | | ZSMT _{SRE} | | MTZS _{SRM} | | ZSMT _{SRM} | |
|-----------|-------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|
| SO2T5 | 0.27 | (5.0) | 0.69 | (1.5) | 0.69 | (1.5) | 0.68 | (3.5) | 0.68 | (3.5) |
| SO2T10 | 0.1 | (5.0) | 0.35 | (2.5) | 0.35 | (2.5) | 0.35 | (2.5) | 0.35 | (2.5) |
| SO2T15 | 0.45 | (5.0) | 0.66 | (2.5) | 0.66 | (2.5) | 0.66 | (2.5) | 0.66 | (2.5) |
| SO2T20 | 0.47 | (5.0) | 0.76 | (2.5) | 0.76 | (2.5) | 0.76 | (2.5) | 0.76 | (2.5) |
| SO5T5 | 0.49 | (5.0) | 0.68 | (2.5) | 0.68 | (2.5) | 0.68 | (2.5) | 0.68 | (2.5) |
| SO5T10 | 0.44 | (5.0) | 0.56 | (2.5) | 0.56 | (2.5) | 0.56 | (2.5) | 0.56 | (2.5) |
| SO5T15 | 0.6 | (5.0) | 0.69 | (2.5) | 0.69 | (2.5) | 0.69 | (2.5) | 0.69 | (2.5) |
| SO5T20 | 0.55 | (5.0) | 0.71 | (2.5) | 0.71 | (2.5) | 0.71 | (2.5) | 0.71 | (2.5) |
| SO10T5 | 0.56 | (5.0) | 0.58 | (2.5) | 0.58 | (2.5) | 0.58 | (2.5) | 0.58 | (2.5) |
| SO10T10 | 0.51 | (3.0) | 0.51 | (3.0) | 0.51 | (3.0) | 0.51 | (3.0) | 0.51 | (3.0) |
| SO10T15 | 0.57 | (5.0) | 0.61 | (2.5) | 0.61 | (2.5) | 0.61 | (2.5) | 0.61 | (2.5) |
| SO10T20 | 0.62 | (1.0) | 0.6 | (3.5) | 0.6 | (3.5) | 0.6 | (3.5) | 0.6 | (3.5) |
| Avg. Rank | | (4.5) | | (2.5) | | (2.5) | | (2.7) | | (2.7) |

Table 21: R2_BR
Datasets: 12, Systems: 5
CD 1%: 2.1 — CD 5%: 1.8 — CD 10%: 1.6

| | NOZS | | MTZS _{SRE} | | ZSMT _{SRE} | | MTZS _{SRM} | | ZSMT _{SRM} | |
|-----------|-------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|
| SO2T5 | 0.3 | (5.0) | 0.62 | (4.0) | 0.69 | (1.0) | 0.64 | (3.0) | 0.68 | (2.0) |
| SO2T10 | 0.12 | (5.0) | 0.29 | (4.0) | 0.35 | (2.0) | 0.31 | (3.0) | 0.36 | (1.0) |
| SO2T15 | 0.41 | (5.0) | 0.59 | (4.0) | 0.66 | (1.5) | 0.61 | (3.0) | 0.66 | (1.5) |
| SO2T20 | 0.46 | (5.0) | 0.69 | (4.0) | 0.76 | (1.5) | 0.71 | (3.0) | 0.76 | (1.5) |
| SO5T5 | 0.47 | (3.0) | 0.59 | (2.0) | 0.36 | (4.0) | 0.6 | (1.0) | 0.32 | (5.0) |
| SO5T10 | 0.4 | (5.0) | 0.46 | (4.0) | 0.56 | (1.5) | 0.48 | (3.0) | 0.56 | (1.5) |
| SO5T15 | 0.59 | (3.5) | 0.57 | (5.0) | 0.69 | (1.5) | 0.59 | (3.5) | 0.69 | (1.5) |
| SO5T20 | 0.52 | (5.0) | 0.57 | (4.0) | 0.71 | (1.5) | 0.59 | (3.0) | 0.71 | (1.5) |
| SO10T5 | 0.49 | (4.5) | 0.49 | (4.5) | 0.59 | (1.0) | 0.5 | (3.0) | 0.58 | (2.0) |
| SO10T10 | 0.51 | (2.0) | 0.41 | (5.0) | 0.51 | (2.0) | 0.43 | (4.0) | 0.51 | (2.0) |
| SO10T15 | 0.6 | (1.0) | 0.51 | (5.0) | 0.55 | (2.5) | 0.52 | (4.0) | 0.55 | (2.5) |
| SO10T20 | 0.61 | (1.0) | 0.5 | (4.5) | 0.58 | (2.5) | 0.5 | (4.5) | 0.58 | (2.5) |
| Avg. Rank | | (3.8) | | (4.2) | | (1.9) | | (3.2) | | (2.0) |

Table 22: R2_RC
Datasets: 12, Systems: 5
CD 1%: 2.1 — CD 5%: 1.8 — CD 10%: 1.6

| | NOZS | | MTZS _{SRE} | | ZSMT _{SRE} | | MTZS _{SRM} | | ZSMT _{SRM} | |
|-----------|-------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|
| SO2T5 | 0.17 | (5.0) | 0.57 | (4.0) | 0.68 | (1.5) | 0.59 | (3.0) | 0.68 | (1.5) |
| SO2T10 | 0.09 | (5.0) | 0.23 | (4.0) | 0.35 | (2.0) | 0.26 | (3.0) | 0.36 | (1.0) |
| SO2T15 | 0.4 | (5.0) | 0.51 | (4.0) | 0.66 | (1.5) | 0.54 | (3.0) | 0.66 | (1.5) |
| SO2T20 | 0.47 | (5.0) | 0.6 | (4.0) | 0.76 | (1.5) | 0.63 | (3.0) | 0.76 | (1.5) |
| SO5T5 | 0.48 | (5.0) | 0.54 | (4.0) | 0.68 | (1.0) | 0.55 | (3.0) | 0.67 | (2.0) |
| SO5T10 | 0.43 | (3.0) | 0.41 | (5.0) | 0.56 | (1.5) | 0.42 | (4.0) | 0.56 | (1.5) |
| SO5T15 | 0.6 | (3.0) | 0.52 | (5.0) | 0.69 | (1.5) | 0.54 | (4.0) | 0.69 | (1.5) |
| SO5T20 | 0.55 | (3.0) | 0.48 | (5.0) | 0.71 | (1.5) | 0.5 | (4.0) | 0.71 | (1.5) |
| SO10T5 | 0.57 | (3.0) | 0.46 | (4.5) | 0.58 | (1.5) | 0.46 | (4.5) | 0.58 | (1.5) |
| SO10T10 | 0.5 | (3.0) | 0.38 | (5.0) | 0.51 | (1.5) | 0.39 | (4.0) | 0.51 | (1.5) |
| SO10T15 | 0.6 | (3.0) | 0.47 | (5.0) | 0.61 | (1.5) | 0.48 | (4.0) | 0.61 | (1.5) |
| SO10T20 | 0.62 | (1.0) | 0.45 | (5.0) | 0.6 | (2.5) | 0.46 | (4.0) | 0.6 | (2.5) |
| Avg. Rank | | (3.7) | | (4.5) | | (1.6) | | (3.6) | | (1.6) |

Table 23: R2_STA
Datasets: 12, Systems: 5
CD 1%: 2.1 — CD 5%: 1.8 — CD 10%: 1.6

| | NOZS | | MTZS _{SRE} | | ZSMT _{SRE} | | MTZS _{SRM} | | ZSMT _{SRM} | |
|-----------|-------|-------|---------------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|
| SO2T5 | 0.3 | (5.0) | 0.59 | (4.0) | 0.69 | (1.0) | 0.62 | (3.0) | 0.68 | (2.0) |
| SO2T10 | 0.1 | (5.0) | 0.26 | (4.0) | 0.35 | (2.0) | 0.29 | (3.0) | 0.36 | (1.0) |
| SO2T15 | 0.42 | (5.0) | 0.56 | (4.0) | 0.66 | (1.5) | 0.59 | (3.0) | 0.66 | (1.5) |
| SO2T20 | 0.47 | (5.0) | 0.64 | (4.0) | 0.76 | (1.5) | 0.67 | (3.0) | 0.76 | (1.5) |
| SO5T5 | -0.02 | (5.0) | 0.53 | (4.0) | 0.68 | (1.5) | 0.55 | (3.0) | 0.68 | (1.5) |
| SO5T10 | 0.38 | (5.0) | 0.41 | (4.0) | 0.56 | (1.5) | 0.43 | (3.0) | 0.56 | (1.5) |
| SO5T15 | 0.51 | (5.0) | 0.52 | (4.0) | 0.69 | (1.5) | 0.54 | (3.0) | 0.69 | (1.5) |
| SO5T20 | 0.53 | (3.0) | 0.49 | (5.0) | 0.71 | (1.5) | 0.52 | (4.0) | 0.71 | (1.5) |
| SO10T5 | 0.55 | (3.0) | 0.45 | (5.0) | 0.58 | (1.5) | 0.46 | (4.0) | 0.58 | (1.5) |
| SO10T10 | 0.48 | (3.0) | 0.37 | (5.0) | 0.51 | (1.5) | 0.38 | (4.0) | 0.51 | (1.5) |
| SO10T15 | 0.54 | (3.0) | 0.47 | (5.0) | 0.61 | (1.5) | 0.48 | (4.0) | 0.61 | (1.5) |
| SO10T20 | 0.59 | (3.0) | 0.45 | (5.0) | 0.6 | (1.5) | 0.46 | (4.0) | 0.6 | (1.5) |
| Avg. Rank | | (4.2) | | (4.4) | | (1.5) | | (3.4) | | (1.5) |

Table 24: R2_DBR
Datasets: 12, Systems: 5
CD 1%: 2.1 — CD 5%: 1.8 — CD 10%: 1.6