| Method | TrainIGD | TestIGD | TrainVolumes | TestVolumes | Average |
|--------|----------|---------|--------------|-------------|---------|
| 50-3   | 21.40    | 14.80   | 28.60        | 24.20       | 22.25   |
| 50-4   | 17.80    | 25.00   | 30.90        | 22.50       | 24.05   |
| 50-5   | 25.20    | 23.10   | 26.30        | 20.50       | 23.77   |
| 50-6   | 23.10    | 20.90   | 19.10        | 24.00       | 21.77   |
| 50-7   | 28.30    | 26.20   | 22.30        | 18.70       | 23.88   |
| 50-8   | 19.10    | 15.60   | 24.90        | 21.80       | 20.35   |
| 50-9   | 21.50    | 21.80   | 21.80        | 13.80       | 19.72   |
| 50-10  | .10      | .00     | 47.00        | 46.90       | 23.50   |
| 60-3   | 26.10    | 22.90   | 43.60        | 41.50       | 33.52   |
| 60-4   | 25.00    | 18.50   | 24.80        | 25.80       | 23.52   |
| 60-5   | 23.80    | 23.80   | 32.00        | 33.30       | 28.22   |
| 60-6   | 25.40    | 25.60   | 20.40        | 22.60       | 23.50   |
| 60-7   | 23.20    | 28.50   | 15.90        | 13.60       | 20.30   |
| 60-8   | 26.20    | 19.80   | 15.70        | 15.60       | 19.32   |
| 60-9   | 19.00    | 18.60   | 23.30        | 27.80       | 22.18   |
| 60-10  | 22.00    | 16.30   | 30.90        | 24.80       | 23.50   |
| 70-3   | 26.00    | 22.30   | 36.50        | 34.20       | 29.75   |
| 70-4   | 27.20    | 16.40   | 40.70        | 45.10       | 32.35   |
| 70-5   | 16.70    | 18.40   | 23.20        | 24.10       | 20.60   |
| 70-6   | 23.60    | 27.50   | 35.90        | 34.50       | 30.38   |
| 70-7   | 27.30    | 32.60   | 20.60        | 13.30       | 23.45   |
| 70-8   | 29.90    | 29.20   | 15.30        | 19.20       | 23.40   |
| 70-9   | 20.30    | 28.10   | 19.70        | 12.70       | 20.20   |
| 70-10  | 15.10    | 15.40   | 28.40        | 19.00       | 19.48   |
| 80-3   | 27.60    | 28.10   | 17.00        | 13.90       | 21.65   |
| 80-4   | 30.40    | 33.10   | 17.60        | 20.10       | 25.30   |
| 80-5   | 23.80    | 30.10   | 27.80        | 23.20       | 26.23   |
| 80-6   | 15.90    | 21.50   | 24.10        | 20.60       | 20.52   |
| 80-7   | 22.70    | 24.20   | 24.60        | 20.40       | 22.98   |
| 80-8   | 25.90    | 28.40   | 16.10        | 19.40       | 22.45   |
| 80-9   | 22.80    | 18.50   | 16.10        | 20.00       | 19.35   |
| 80-10  | 24.10    | 27.70   | 12.30        | 18.80       | 20.72   |
| 90-3   | 26.10    | 26.70   | 16.20        | 21.00       | 22.50   |
| 90-4   | 25.40    | 29.80   | 20.20        | 22.20       | 24.40   |
| 90-5   | 21.40    | 20.60   | 19.60        | 17.30       | 19.73   |
| 90-6   | 26.80    | 25.70   | 17.70        | 20.90       | 22.77   |
| 90-7   | 18.00    | 33.20   | 22.80        | 21.80       | 23.95   |
| 90-8   | 28.40    | 19.10   | 12.80        | 19.70       | 20.00   |
| 90-9   | 27.30    | 28.70   | 18.80        | 21.10       | 23.98   |
| 90-10  | 18.00    | 27.20   | 24.30        | 21.80       | 22.82   |
| 100-3  | 25.50    | 25.30   | 20.70        | 22.10       | 23.40   |
| 100-4  | 20.60    | 21.60   | 26.80        | 25.80       | 23.70   |
| 100-5  | 26.70    | 19.20   | 22.60        | 28.10       | 24.15   |
| 100-6  | 29.70    | 26.60   | 20.40        | 27.70       | 26.10   |
| 100-7  | 30.60    | 17.60   | 17.30        | 28.00       | 23.38   |
| 100-8  | 26.10    | 23.20   | 21.00        | 25.90       | 24.05   |
| 100-9  | 25.30    | 32.40   | 18.10        | 23.20       | 24.75   |
| 100-10 | 25.60    | 28.20   | 25.30        | 25.50       | 26.15   |
|        |          |         |              |             |         |

Table 1: vehicle

| Method | TrainIGD | TestIGD | TrainVolumes | TestVolumes | Average |
|--------|----------|---------|--------------|-------------|---------|
| 50-3   | 25.60    | 18.20   | 22.80        | 27.30       | 23.47   |
| 50-4   | 25.00    | 16.30   | 22.90        | 25.70       | 22.47   |
| 50-5   | 24.20    | 15.80   | 26.70        | 30.60       | 24.33   |
| 50-6   | 22.50    | 20.30   | 30.20        | 19.20       | 23.05   |
| 50-7   | 21.60    | 21.80   | 14.50        | 15.40       | 18.33   |
| 50-8   | 23.20    | 22.30   | 26.90        | 24.40       | 24.20   |
| 50-9   | 22.50    | 23.90   | 23.80        | 23.00       | 23.30   |
| 50-10  | 20.00    | 27.60   | 20.90        | 16.30       | 21.20   |
| 60-3   | 26.70    | 20.60   | 24.90        | 26.90       | 24.77   |
| 60-4   | 25.50    | 21.40   | 28.60        | 24.80       | 25.07   |
| 60-5   | 25.20    | 23.00   | 20.60        | 24.70       | 23.38   |
| 60-6   | 21.20    | 17.00   | 31.50        | 30.90       | 25.15   |
| 60-7   | 21.10    | 23.60   | 20.00        | 17.70       | 20.60   |
| 60-8   | 22.20    | 22.50   | 20.00        | 25.80       | 22.62   |
| 60-9   | 25.30    | 30.90   | 16.60        | 16.50       | 22.33   |
| 60-10  | 24.30    | 30.70   | 8.80         | 24.30       | 22.02   |
| 70-3   | 23.90    | 22.10   | 31.50        | 23.70       | 25.30   |
| 70-4   | 25.50    | 26.10   | 21.00        | 24.60       | 24.30   |
| 70-5   | 16.60    | 18.80   | 23.90        | 20.30       | 19.90   |
| 70-6   | 25.50    | 22.40   | 24.40        | 19.60       | 22.98   |
| 70-7   | 32.00    | 16.60   | 19.40        | 27.40       | 23.85   |
| 70-8   | 17.80    | 21.70   | 21.10        | 35.70       | 24.08   |
| 70-9   | 15.50    | 20.60   | 17.50        | 25.90       | 19.88   |
| 70-10  | 23.70    | 23.10   | 19.80        | 27.20       | 23.45   |
| 80-3   | 30.10    | 22.90   | 30.60        | 32.80       | 29.10   |
| 80-4   | 28.00    | 27.60   | 17.20        | 18.00       | 22.70   |
| 80-5   | 24.50    | 23.20   | 28.90        | 28.70       | 26.32   |
| 80-6   | 20.40    | 21.90   | 26.90        | 24.30       | 23.37   |
| 80-7   | 19.50    | 17.80   | 23.80        | 33.70       | 23.70   |
| 80-8   | 19.90    | 29.50   | 30.20        | 21.30       | 25.22   |
| 80-9   | 21.20    | 26.10   | 14.80        | 21.60       | 20.92   |
| 80-10  | 18.50    | 24.80   | 23.60        | 24.90       | 22.95   |
| 90-3   | 26.10    | 17.90   | 30.20        | 26.40       | 25.15   |
| 90-4   | 23.70    | 25.70   | 21.90        | 20.20       | 22.88   |
| 90-5   | 24.20    | 17.40   | 19.40        | 29.80       | 22.70   |
| 90-6   | 19.50    | 24.10   | 22.00        | 23.10       | 22.17   |
| 90-7   | 23.30    | 22.50   | 25.20        | 26.30       | 24.32   |
| 90-8   | 23.00    | 26.10   | 30.70        | 25.20       | 26.25   |
| 90-9   | 25.80    | 28.60   | 26.70        | 21.80       | 25.73   |
| 90-10  | 28.80    | 32.40   | 19.00        | 21.40       | 25.40   |
| 100-3  | 28.70    | 30.60   | 21.90        | 20.10       | 25.32   |
| 100-3  | 21.30    | 30.90   | 30.10        | 16.30       | 24.65   |
| 100-4  | 22.70    | 18.80   | 27.40        | 19.60       | 22.12   |
| 100-5  | 25.30    | 30.10   | 25.50        | 21.80       | 25.68   |
| 100-0  | 25.50    | 28.90   | 21.30        | 15.90       | 22.90   |
| 100-7  | 21.80    | 15.70   | 28.30        | 23.90       | 22.42   |
| 100-8  | 26.10    | 31.90   | 17.80        | 18.90       | 23.67   |
| 100-9  | 23.50    | 25.30   | 26.30        | 14.10       | 22.30   |
| 100-10 | 20.00    | 20.00   | 20.00        | 14.10       | 44.00   |

Table 2: sonar

| Method | TrainIGD | TestIGD | TrainVolumes | TestVolumes | Average |
|--------|----------|---------|--------------|-------------|---------|
| 50-3   | 17.90    | 22.10   | 31.20        | 20.80       | 23.00   |
| 50-4   | 21.20    | 17.60   | 25.80        | 23.40       | 22.00   |
| 50-5   | 29.00    | 25.60   | 16.40        | 20.60       | 22.90   |
| 50-6   | 25.00    | 30.20   | 17.10        | 17.30       | 22.40   |
| 50-7   | 26.70    | 28.00   | 13.60        | 10.90       | 19.80   |
| 50-8   | 29.00    | 25.00   | 14.40        | 16.20       | 21.15   |
| 50-9   | 32.90    | 37.20   | 8.90         | 12.10       | 22.77   |
| 50-10  | 33.80    | 36.70   | 7.80         | 12.00       | 22.57   |
| 60-3   | 10.50    | 17.90   | 31.50        | 19.50       | 19.85   |
| 60-4   | 16.20    | 11.70   | 28.50        | 22.20       | 19.65   |
| 60-5   | 23.40    | 23.70   | 16.20        | 16.40       | 19.92   |
| 60-6   | 18.20    | 24.40   | 22.20        | 13.60       | 19.60   |
| 60-7   | 23.30    | 21.00   | 17.50        | 15.00       | 19.20   |
| 60-8   | 21.20    | 20.90   | 17.40        | 13.60       | 18.27   |
| 60-9   | 25.10    | 23.30   | 15.90        | 16.70       | 20.25   |
| 60-10  | 27.60    | 22.20   | 17.70        | 17.80       | 21.32   |
| 70-3   | 14.50    | 12.60   | 36.00        | 41.10       | 26.05   |
| 70-4   | 20.00    | 13.70   | 28.60        | 21.00       | 20.83   |
| 70-5   | 21.70    | 17.80   | 26.50        | 29.30       | 23.82   |
| 70-6   | 18.60    | 19.60   | 28.80        | 25.90       | 23.23   |
| 70-7   | 26.80    | 32.80   | 17.30        | 18.60       | 23.88   |
| 70-8   | 28.90    | 27.10   | 13.20        | 15.50       | 21.18   |
| 70-9   | 33.30    | 34.40   | 10.90        | 15.70       | 23.57   |
| 70-10  | 26.70    | 21.80   | 15.00        | 29.90       | 23.35   |
| 80-3   | 18.80    | 20.80   | 29.20        | 26.60       | 23.85   |
| 80-4   | 27.10    | 27.10   | 27.90        | 24.10       | 26.55   |
| 80-5   | 23.90    | 17.10   | 26.60        | 27.50       | 23.77   |
| 80-6   | 24.20    | 23.10   | 22.30        | 21.40       | 22.75   |
| 80-7   | 23.10    | 18.60   | 19.70        | 26.00       | 21.85   |
| 80-8   | 21.20    | 20.80   | 23.00        | 28.60       | 23.40   |
| 80-9   | 25.10    | 21.30   | 20.50        | 24.70       | 22.90   |
| 80-10  | 34.80    | 27.60   | 9.90         | 19.10       | 22.85   |
| 90-3   | 15.10    | 15.50   | 37.30        | 31.80       | 24.93   |
| 90-4   | 22.00    | 17.40   | 28.00        | 35.00       | 25.60   |
| 90-5   | 15.90    | 13.90   | 34.00        | 22.60       | 21.60   |
| 90-6   | 25.20    | 20.20   | 24.80        | 26.90       | 24.27   |
| 90-7   | 25.00    | 16.00   | 26.50        | 27.80       | 23.82   |
| 90-8   | 26.30    | 24.50   | 26.80        | 31.50       | 27.27   |
| 90-9   | 23.00    | 16.90   | 28.20        | 38.00       | 26.52   |
| 90-10  | 23.40    | 19.60   | 20.80        | 31.10       | 23.73   |
| 100-3  | 10.30    | 30.90   | 38.30        | 28.00       | 26.88   |
| 100-4  | 24.20    | 29.60   | 28.80        | 26.80       | 27.35   |
| 100-5  | 23.70    | 31.10   | 29.20        | 27.30       | 27.82   |
| 100-6  | 23.80    | 21.80   | 27.10        | 32.20       | 26.23   |
| 100-7  | 21.60    | 34.70   | 31.70        | 26.40       | 28.60   |
| 100-8  | 32.00    | 30.40   | 24.40        | 25.10       | 27.98   |
| 100-9  | 17.10    | 28.40   | 34.00        | 30.10       | 27.40   |
| 100-10 | 29.70    | 33.40   | 30.60        | 24.30       | 29.50   |
| -      | *        | =       |              |             | -       |

Table 3: arrhythmia

| Method | TrainIGD | TestIGD               | TrainVolumes | TestVolumes | Average               |
|--------|----------|-----------------------|--------------|-------------|-----------------------|
| 50-3   | 16.10    | 12.60                 | 33.00        | 30.50       | 23.05                 |
| 50-4   | 19.50    | 25.20                 | 31.90        | 23.70       | 25.07                 |
| 50-5   | 22.60    | 25.40                 | 26.00        | 19.70       | 23.43                 |
| 50-6   | 28.60    | 24.10                 | 20.20        | 17.10       | 22.50                 |
| 50-7   | 26.50    | 30.10                 | 23.50        | 17.30       | 24.35                 |
| 50-8   | 20.10    | 16.90                 | 21.00        | 28.50       | 21.62                 |
| 50-9   | 27.90    | 22.90                 | 17.70        | 15.70       | 21.05                 |
| 50-10  | 25.70    | 23.60                 | 20.80        | 21.80       | 22.97                 |
| 60-3   | 15.80    | 19.20                 | 24.70        | 20.60       | 20.08                 |
| 60-4   | 17.00    | 26.90                 | 30.10        | 24.80       | 24.70                 |
| 60-5   | 13.90    | 16.70                 | 33.90        | 32.20       | 24.18                 |
| 60-6   | 26.70    | 24.70                 | 18.30        | 27.90       | 24.40                 |
| 60-7   | 28.10    | 29.50                 | 23.30        | 17.20       | 24.53                 |
| 60-8   | 23.10    | 20.90                 | 22.10        | 18.80       | 21.22                 |
| 60-9   | 23.70    | 24.80                 | 17.50        | 24.30       | 22.57                 |
| 60-10  | 21.50    | 23.80                 | 24.20        | 21.10       | 22.65                 |
| 70-3   | 27.30    | 17.50                 | 22.50        | 19.30       | 21.65                 |
| 70-4   | 20.80    | 19.30                 | 27.00        | 19.90       | 21.75                 |
| 70-5   | 18.90    | 18.80                 | 20.10        | 25.80       | 20.90                 |
| 70-6   | 26.90    | 30.80                 | 19.60        | 22.20       | 24.88                 |
| 70-7   | 33.00    | 28.20                 | 9.70         | 15.40       | 21.58                 |
| 70-8   | 20.90    | 24.60                 | 21.20        | 16.80       | 20.88                 |
| 70-9   | 25.90    | 24.70                 | 24.20        | 30.60       | 26.35                 |
| 70-10  | 21.90    | 22.70                 | 20.00        | 16.50       | 20.27                 |
| 80-3   | 10.10    | 23.50                 | 30.70        | 25.30       | 22.40                 |
| 80-4   | 24.20    | 19.00                 | 26.00        | 22.40       | 22.90                 |
| 80-5   | 19.80    | 30.80                 | 25.10        | 26.60       | 25.58                 |
| 80-6   | 30.60    | 24.70                 | 15.20        | 23.00       | 23.38                 |
| 80-7   | 29.10    | 24.10                 | 18.00        | 20.10       | 22.83                 |
| 80-8   | 22.60    | 21.10                 | 17.70        | 20.10       | 20.38                 |
| 80-9   | 25.50    | 23.30                 | 18.20        | 20.50       | 21.88                 |
| 80-10  | 31.50    | 22.50                 | 11.70        | 23.70       | 22.35                 |
| 90-3   | 20.70    | 18.70                 | 29.30        | 32.30       | 25.25                 |
| 90-4   | 29.50    | 31.90                 | 27.30        | 30.10       | 29.70                 |
| 90-5   | 29.40    | 16.70                 | 17.10        | 22.10       | 21.32                 |
| 90-6   | 19.10    | 25.60                 | 30.80        | 26.70       | 25.55                 |
| 90-7   | 26.30    | 23.40                 | 27.90        | 29.90       | 26.88                 |
| 90-8   | 19.50    | $\frac{23.40}{22.50}$ | 31.20        | 27.30       | 25.12                 |
| 90-9   | 22.60    | 21.90                 | 26.40        | 27.10       | 24.50                 |
| 90-10  | 22.60    | 14.00                 | 28.40        | 29.00       | 23.50                 |
| 100-3  | 21.20    | 28.60                 | 24.90        | 29.20       | 25.97                 |
| 100-3  | 21.30    | 26.60                 | 19.60        | 19.70       | 21.80                 |
| 100-4  | 27.20    | 30.00                 | 26.70        | 24.10       | 27.00                 |
| 100-5  | 23.40    | 21.80                 | 25.00        | 21.60       | 22.95                 |
| 100-0  | 21.10    | 20.00                 | 21.20        | 25.50       | 21.95                 |
| 100-7  | 21.10    | 27.60                 | 26.70        | 26.10       | $\frac{21.95}{25.48}$ |
| 100-8  | 28.30    | 26.30                 | 25.30        | 25.30       | $\frac{25.48}{26.30}$ |
| 100-9  | 28.50    | 29.50                 | 25.10        | 22.60       | 26.42                 |
| 100-10 | 20.00    | 49.00                 | 40.10        | 22.00       | 40.44                 |

Table 4: musk1