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# Tables

|  |  |
| --- | --- |
| **Normalization Factor:**  **LDM\_SCALE** | **Hybrid Decoder**  **WER** |
| 0.100 | 12.3% |
| 0.050 | 12.1% |
| **0.010** | **11.8%** |
| 0.005 | 11.9% |
| 0.001 | 11.9% |

Table 1. Experimental tuning of the scale factor combining LDM and HMM scores resulted in small improvements in performance.

|  |  |  |  |
| --- | --- | --- | --- |
| **Condition** | **HMM**  **Baseline** | **Hybrid**  **LDM** | **Relative Reduction** |
| Clean | 13.3 | 11.6 | **12.8%** |
| Airport | 53.0 | 50.3 | 5.09% |
| Babble | 55.9 | 48.5 | **13.2%** |
| Car | 57.3 | 59.8 | -4.4% |
| Restaurant | 53.4 | 50.6 | 5.2% |
| Street | 61.5 | 59.4 | 3.4% |
| Train | 66.1 | 63.4 | 4.1% |

Table 2. Experimental results for the hybrid HMM/LDM system are compared to a conventional HMM system. Substantial improvements were obtained on the clean and babble noise conditions.