Appendix A

Testing results of horizontal interface

Estimated ground parameters of two-layer architecture network trained by non-normalization data

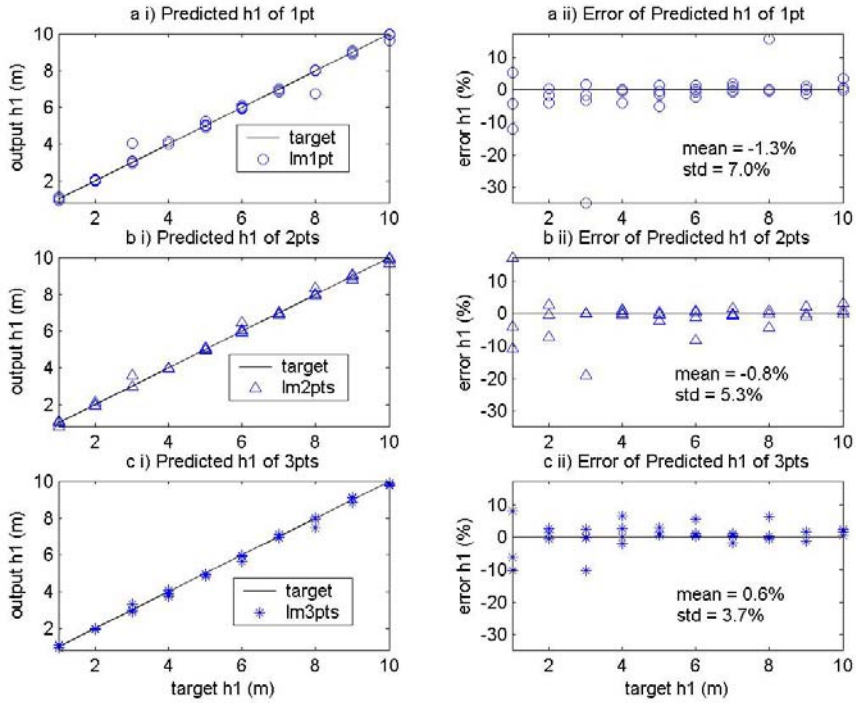

Figure A1 Predicted h_1 by two-layer architecture network trained by non-normalization data

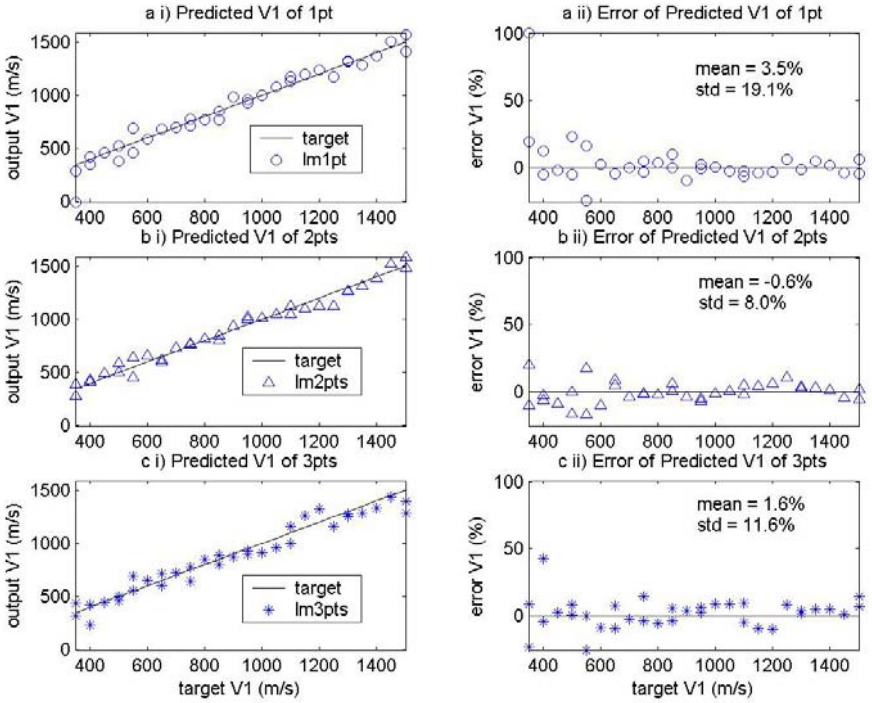

Figure A2 Predicted V_1 by two-layer architecture network trained by non-normalization data

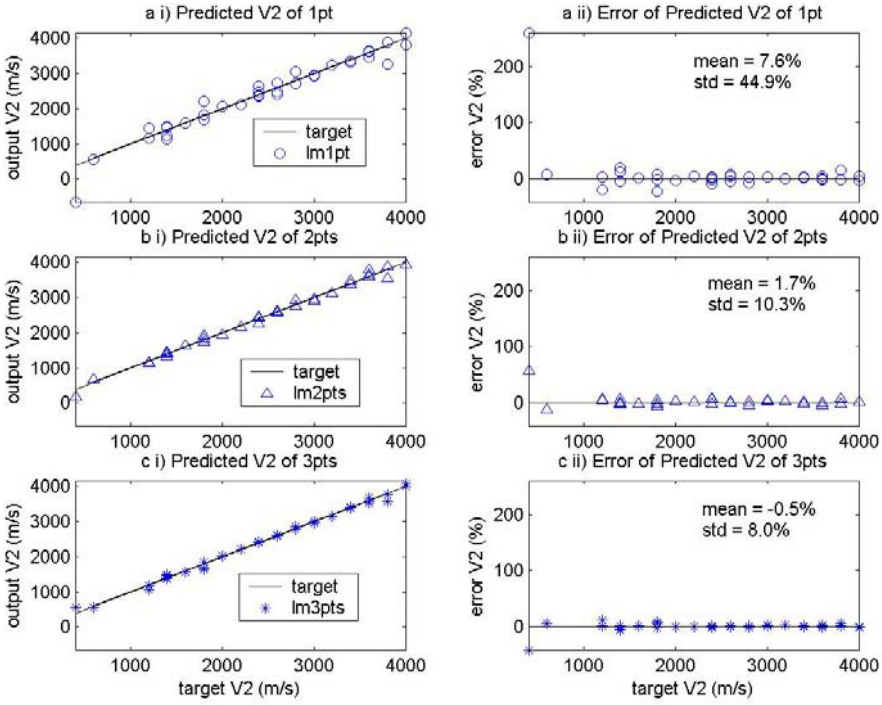

Figure A3 Predicted V_2 by two-layer architecture network trained by non-normalization data

Estimated ground parameters of three-layer architecture network trained by non-normalization data

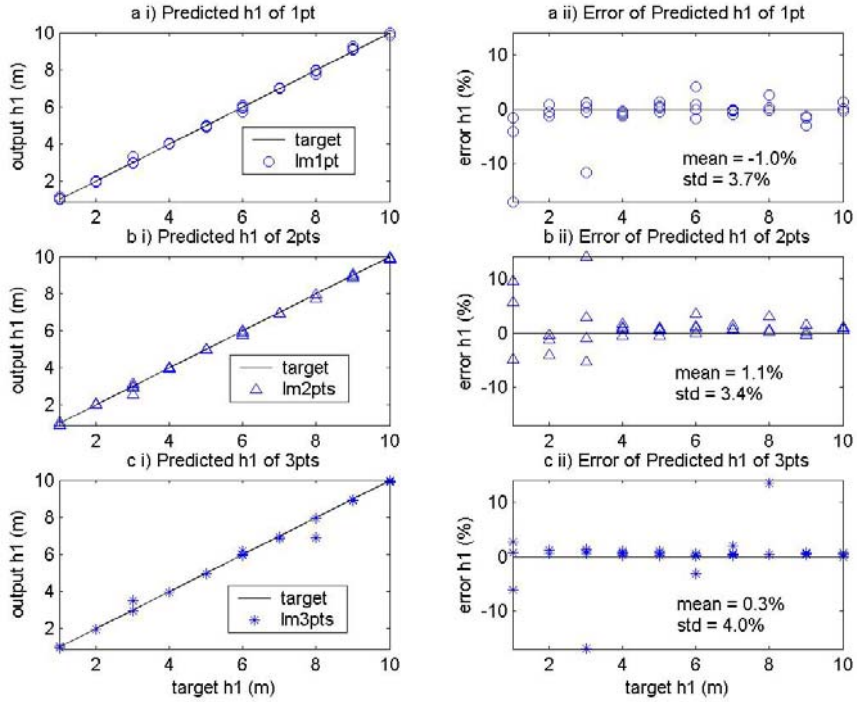

Figure A4 Predicted h_1 by three-layer architecture network trained by non-normalization data

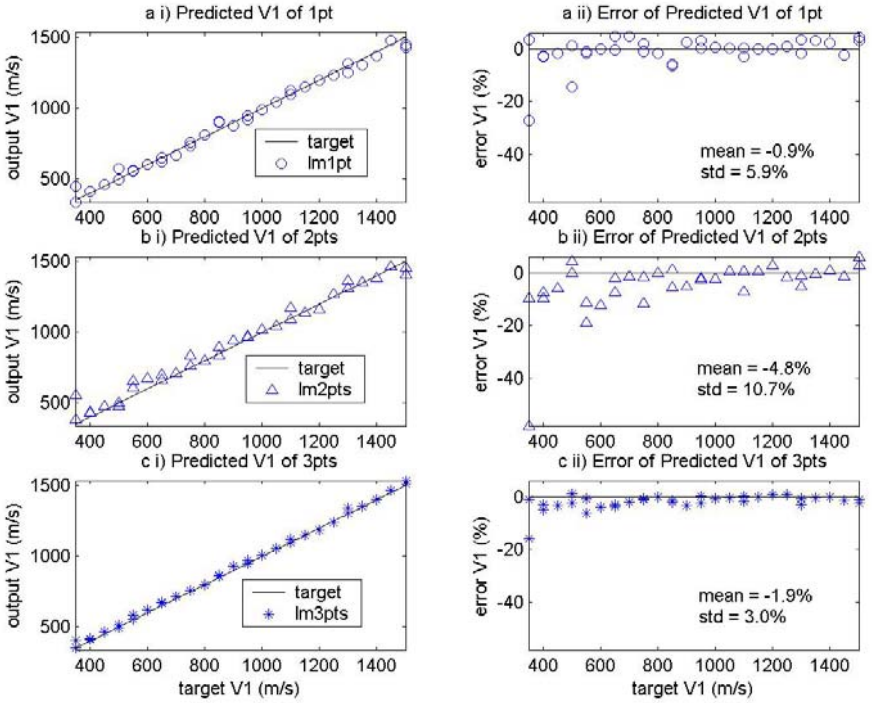

Figure A5 Predicted V_1 by three-layer architecture network trained by non-normalization data

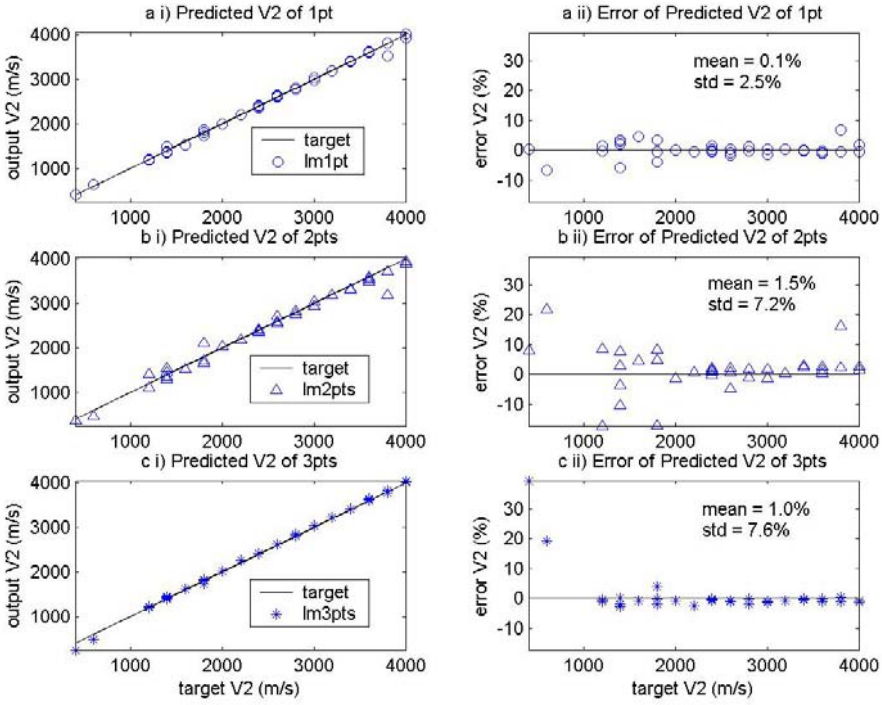

Figure A6 Predicted V_2 by three-layer architecture network trained by non-normalization data

Estimated ground parameters of two-layer architecture network trained by normalization data

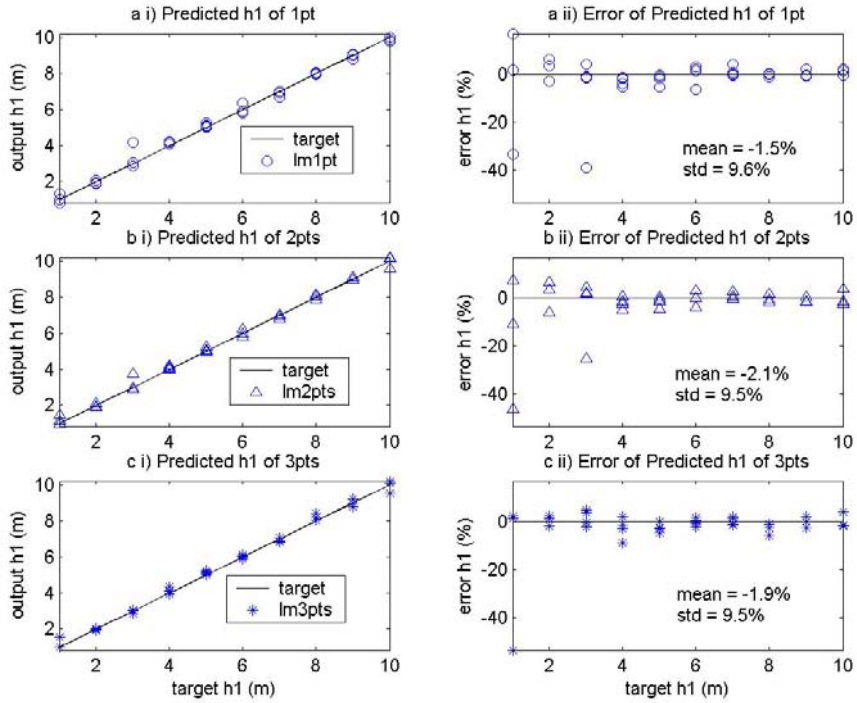

Figure A7 Predicted h_1 by two-layer architecture network trained by normalization data

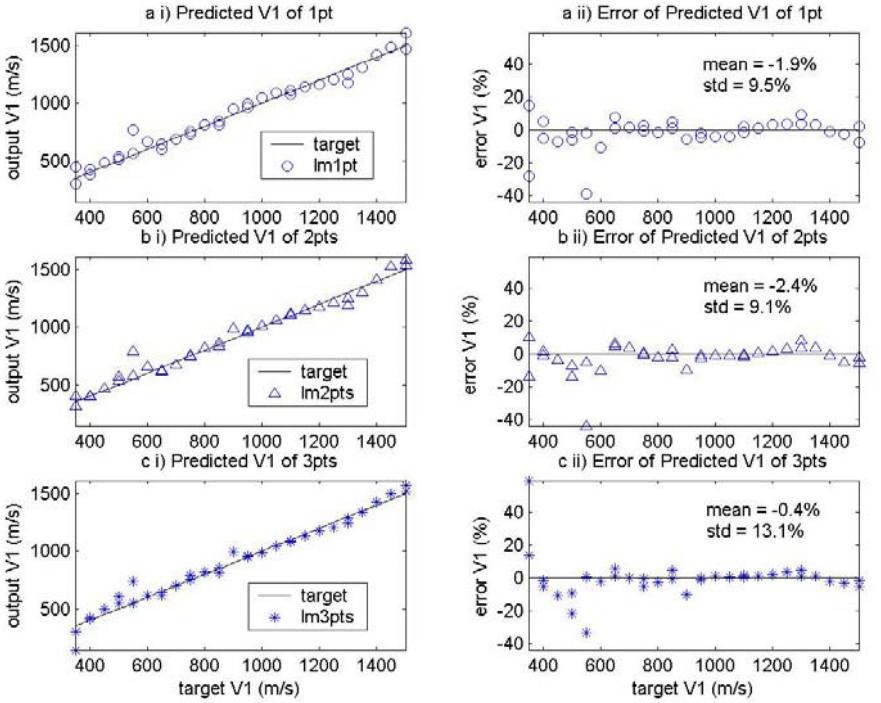

Figure A8 Predicted V_1 by two-layer architecture network trained by normalization data

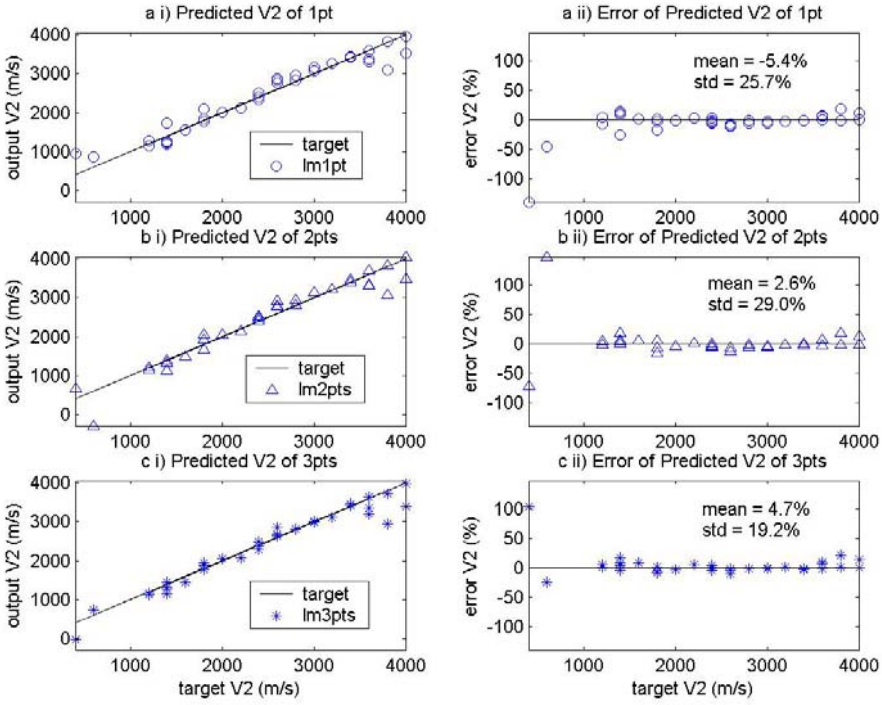

Figure A9 Predicted V_2 by two-layer architecture network trained by normalization data

Estimated ground parameters of three-layer architecture network trained by normalization data

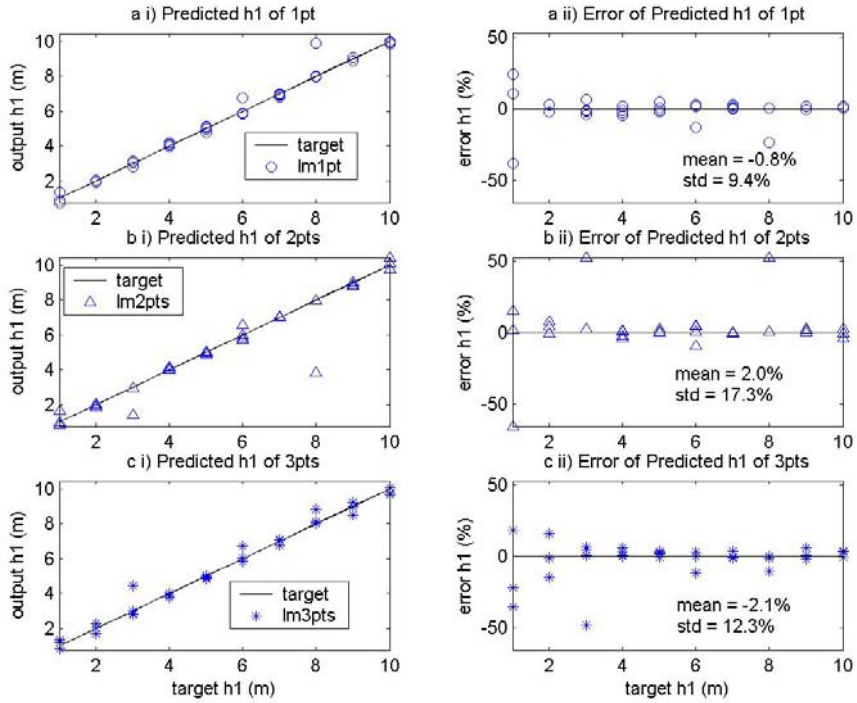

Figure A10 Predicted h_1 by three-layer architecture network trained by normalization data

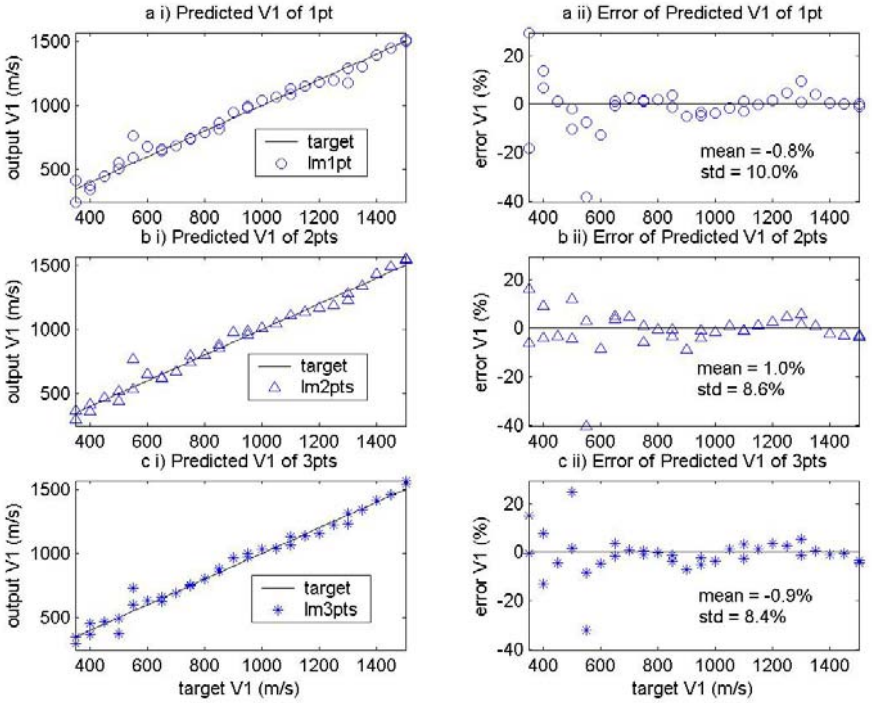

Figure A11 Predicted V_1 by three-layer architecture network trained by normalization data

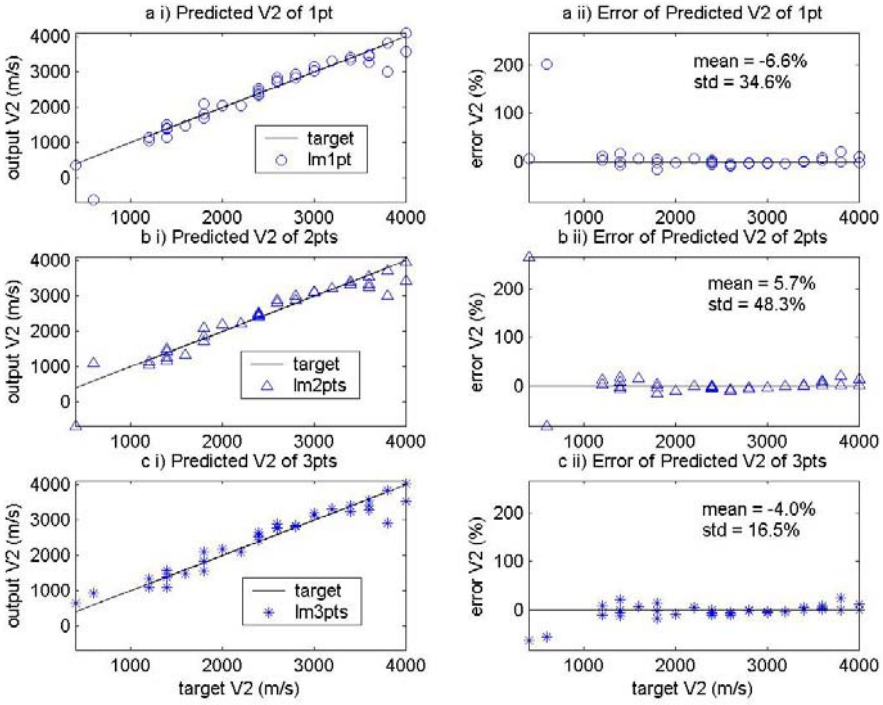

Figure A12 Predicted V_2 by three-layer architecture network trained by normalization data