

TABLE 19 Neurons, Weights, and Biases for the Output Layer for the Reduced (Refractive Index & Sound Velocity) ANN Model

| | Second Hidden Layer Neuron | | | | | | | | | | | | | | | | | | | |
|--------|----------------------------|---------|---------|--------|--------|---------|--------|---------|--------|---------|--------|---------|---------|--------|---------|--------|---------|---------|---------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| Weight | -0.3520 | -0.0192 | -0.2240 | 0.2270 | 0.4230 | -0.2280 | 0.4020 | -0.3160 | 0.1970 | -0.4330 | 0.1430 | -0.1250 | -0.3330 | 0.4030 | -0.2460 | 0.1050 | -0.1970 | -0.0096 | -0.3040 | -0.3800 |

| | Second Hidden Layer Neuron | | | | | | | | | | | | | | | | | | | |
|--------|----------------------------|---------|--------|---------|---------|--------|---------|--------|--------|--------|---------|--------|---------|--------|--------|---------|--------|--------|--------|--------|
| | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | Bias |
| Weight | 0.3080 | -0.2810 | 0.3210 | -0.0485 | -0.3340 | 0.3540 | -0.3420 | 0.1720 | 0.4340 | 0.3530 | -0.4710 | 0.2820 | -0.3130 | 0.2380 | 0.3790 | -0.2280 | 0.1970 | 0.0030 | 0.2470 | 0.3220 |
