1-dimensional (Uni-variate) input functions

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Note: Generate multiple sets of training data adding a gaussian noise with 0 mean.

1 Function 1

$$e^{(cos(2\pi x)+sin(2\pi x))} \tag{1}$$

Domain = (0,1)

2 Function 2

$$e^{sin(2\pi x)} \tag{2}$$

Domain = (0,1)

3 Function 3

$$e^{cos(2\pi x)} \tag{3}$$

Domain = (0,1)

4 Function 4

$$e^{sin(2\pi x)} + x \tag{4}$$

Domain = (0,1)

5 Function 5

$$e^{cos(2\pi x)} + x \tag{5}$$

Domain = (0,1)

6 Function 6

$$e^{tanh(2\pi x)} \tag{6}$$

Domain = (0,1)

7 Function 7

$$e^{sin(2\pi x)} + log_e(x) \tag{7}$$

Domain = (0,1)

8 Function 8

$$e^{cos(2\pi x)} + log_e(x) \tag{8}$$

Domain = (0,1)

9 Function 9

$$cos(2\pi x) + tanh(2\pi x) \tag{9}$$

Domain = (0,1)

10 Function 10

$$sin(2\pi x) + tanh(2\pi x) \tag{10}$$

Domain = (0,1)

11 Function 11

$$sin^2(2\pi x) \tag{11}$$

Domain = (0,1)

12 Function 12

$$cos^2(2\pi x) \tag{12}$$

Domain = (0,1)

13 Function 13

$$cos(2\pi x) + sin(2\pi x) \tag{13}$$

Domain = (0,1)

14 Function 14

$$e^{(cos(2\pi x)-sin(2\pi x))} \tag{14}$$

Domain = (0,1)

15 Function 15

$$e^{(cos(2\pi x)-tanh(2\pi x))} \tag{15}$$

Domain = (0,1)

16 Function 16

$$e^{(cos(2\pi x)+sin(2\pi x)-tanh(2\pi x))} \tag{16}$$

Domain = (0,1)

17 Function 17

$$e^{(cos(2\pi x)-sin(2\pi x))} + x \tag{17}$$

Domain = (0,1)

18 Function 18

$$e^{(cos(2\pi x)+sin(2\pi x))} + x \tag{18}$$

Domain = (0,1)

19 Function 19

$$e^{(cos(2\pi x)+sinx(2\pi x)+tanh(2\pi x))} - log_e(x) \tag{19}$$

Domain = (0,1)

20 Function 20

$$e^{(cos(2\pi x)+tanh(2\pi x))} + sin(2\pi x) \tag{20}$$

Domain = (0,1)

21 Function 21

$$e^{(cos(2\pi x)+sin(2\pi x))} + tanh(2\pi x) \tag{21}$$

Domain = (0,1)

22 Function 22

$$e^{(sin(2\pi x)-tanh(2\pi x))} + cos(2\pi x) \tag{22}$$

Domain = (0,1)

23 Function 23

$$e^{(xcos^2(2\pi x))} \tag{23}$$

Domain = (0,1)

24 Function 24

$$e^{(cos(2\pi x)-sin(2\pi x))} - \frac{1}{2}log_e(x) \tag{24}$$

Domain = (0,1)