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## Errata for

### *Programming with Mathematica: An Introduction*

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- *Page 195, line 7*

Change to: "...the loop is repeated a total of  $\max(0, \lfloor (i_{\max} - i_{\min}) / di \rfloor + 1)$  times..."

Corrected in sources: Tue 11 Feb 2014 12:38:20

- *Page 200, In[62] and In[63]*

Change `Function[var]` to `Function[var, ...]`

Corrected in sources: Tue 11 Feb 2014 12:40:13

- *Page 220, Line 9*

In last line of `quadrant` function code, change comment to: `(* x>0 && y<0 *)`

Corrected in sources: Tue 11 Feb 2014 12:40:13

- *Page 226, In[42]*

In `selectionSort` code, change iterator list for `j` to: `{j, i + 1, len}`.

Corrected in sources: Tue 11 Feb 2014 12:40:13

- *Page 246, line -10*

change to: `runEncode[lis] = {{x, 1}}`.

Corrected in sources: Tue 11 Feb 2014 12:40:13

- *Page 302, line -2*

In the formula for the `p`-value, the variable `n` in the denominator should be under the square

root sign:  $\text{erfc}\left(\frac{V_{\text{obs}} - 2n\pi(1-\pi)}{2\sqrt{2n}\pi(1-\pi)}\right)$ .

Corrected in sources: Wed 12 Feb 2014 09:45:57

- *Page 542, line -11 through -9*

Each of the function definitions `f1`, `f2`, and `f3` in `offLatticeWalk` should be delayed definitions. Corrected code is:

```

offLatticeWalk[t_, dim_] := Module[{f1, f2, f3},
  f1 := RandomReal[{-1, 1}, t];
  f2 := ({Cos[#], Sin[#]} &) /@ RandomReal[{0, 2 π}, t];
  f3 := Table[Function[{θ, u},
    {Cos[θ] √(1 - u²), Sin[θ] √(1 - u²), u}] @@
    {RandomReal[{0, 2 π}], RandomReal[{-1, 1}]}, {t}];
  Which[
    dim == 1, Accumulate[f1],
    dim == 2, Accumulate[f2],
    dim == 3, Accumulate[f3]
  ]
]

```

Corrected in sources: Sat 21 Dec 2013 18:47:28

- Page 570, line 2 through 4

Each of the function definitions f1, f2, and f3 in offLatticeWalk should be delayed definitions. Corrected code is:

```

offLatticeWalk[t_, dim_] := Module[{f1, f2, f3},
  f1 := RandomReal[{-1, 1}, t];
  f2 := ({Cos[#], Sin[#]} &) /@ RandomReal[{0, 2 π}, t];
  f3 := Table[Function[{θ, u},
    {Cos[θ] √(1 - u²), Sin[θ] √(1 - u²), u}] @@
    {RandomReal[{0, 2 π}], RandomReal[{-1, 1}]}, {t}];
  Which[
    dim == 1, Accumulate[f1],
    dim == 2, Accumulate[f2],
    dim == 3, Accumulate[f3]
  ]
]

```

Corrected in sources: Sat 21 Dec 2013 18:47:28