SCMV Errata

xi url should be `http://www.cs.cornell.edu/cv`
5 in the first script there is a stray "\\"
7 line 8: $x_i = (i-1)/20$, $i = 1, \ldots, 21$
8 in the second to last script should be `y(k) = sin(2*pi*x(k))`, i.e., add the `2*pi`
33 before `RunUpDown` insert "a" between "write" and "second"
38 line 1: "... assigns "1" to `b` ..."
42 in the script `ExpTaylor` should have `for k=1:nTerms`
43 in the last formula, should have x^2 instead of x_2
46 after the proof, should say MATLAB sets `eps` $= 2^{1-t}$.
47 in P1.4.5, the first sentence should end with "." rather than "?"
53 in the second to last line: "of" not "off"
60 in line 8 there is a case error: `C1.long.d`, not `C1.Long.d`
61 3rd line in spec for `convert`, should have `..  is the value of f`.
62 in spec for `pretty`, there is a stray "`is a`"
63 in `PadeCoeff` comments: the square brackets should be parens, i.e., `R.num(1)`.
69 Color mnemonics for white, magenta, and black should be `w`, `m`, and `k` resp.
71 at the bottom should have c_{i-j+1} instead of c_{i-j}
78 in the first line of the last script remove `V = zeros(n,n)`
79 in the second line of the script, should have `InterpV(x,y)` instead of `InverpV(x,y)`
81 line 2 case error, `...pVal requires...`
84 3/4 down page: ....divide equations by $(x_2 - x_1)$, $(x_3 - x_1)$, and $(x_4 - x_1)$, respectively
86 last line should be $= (y(k+1{:}n) - y(k))./(x(k+1{:}n) - x(k))$
97 in figure 2.7 y-coordinate of new points should be $(1-\mu)c + \mu d$ not $(1-\mu)b + \mu d$
112 In the spec for `pwLAdapt`, should be "delta and hmin" and "x and y are column n-vectors"
116 $q'(z) = b + 2c(z - x_L) + d(2(z - x_L)(z - x_R) + (z - x_L)^2)$
120 line 1 case error, ... `pwLEval` ...
121 in last displayed equation should have $q_1'(1) = f(1)$ not $q_1'(2) = f(1)$
122 in the last equation there is a $(x - x_{i+1})$ that should be a $(z - x_{i+1})$.
126 "...then from (3.1) on page 123..." and also "... the $i = 1$ case of (3.3)..."
127 "... the $i = n - 2$ case of (3.3)..."
144 P4.1.2 Compare the output for `NCweights` and `MyNCweights`
146 in the script at the bottom, remove `x = a+h*(0:(n*(m-1)))';`
148 in P4.2.1, should say "Use `NCError`."
155 P4.3.8 "...where f(x,y) is..." replaces "...where g(x,y) is..."
169 in the second script, should be `for j=1:i`
171 in the last equation should have c_{i-j+1} and r_{j-i+1}
173 last displayed eqn the (4,5) entry should be a -1.
175 first line: should have `A = [1 zeros(1,4);...]`
177 line -4 Ax not Az
181 in the `MatMat` script, better to write `C(:,j) = A*B(:,j)`
189 first script comment should read `F(i,j) = exp((-x(j)^2 + 2y(i)^2)/4)`
210 line -5 ... so we can vectorize as follows (assuming that x is a column vector):
217 in the last set of displayed equations, since $n = 4$ the $\ell_5 y_4 + y_5 = b_5$ line doesn't belong.
227 The 2-by-2 matrix in the last displayed equation should have its rows reversed.
230 In the script at t bottom, the `k`'s should be `j`'s within the loop body.
231 In the script at t bottom, the `k`'s should be `j`'s within the loop body.
233 At the bottom, should be `[L,U,P] = LU(A)`.
246 P7.1.2 stray \ symbols and "`\car`" is "^ "
256 The $(n, n-1)$ and the $(n-1, n)$ entries in the matrix in Theorem 7 are e_n not e_{n-1}
274 The function `MakeScalar` is missing from the list.
289 in the 4-line script at the bottom, delete the square bracket in the `fpval =` line.
299 in the expression for `tmin` at the bottom, there is a stray comma.
305 in P8.2.7, in the third displayed equation, should just be $\begin{bmatrix} x(t) \\ y(t) \end{bmatrix}$.
309 in the second component of the ∇sep equation, should have ∂t_2, $\dot{x}_2(t_2)$, and $\dot{y}_2(t_2)$, not ∂t_1, $\dot{x}_1(t_2)$, and $\dot{y}_1(t_2)$
336 $F(z) = z h_n f(t_{n+1}, z) y_n$
339 two-thirds of the way down, should be $2b\alpha = 1$ not $2ba = 1$. Just below that, $a = b = 1/2$ and $\alpha = \beta = 1$
340 in the script, `k==2` case, should be `k2 = h*feval(fname,tc+h,yc+k1)`
344 line 8 stray "tt" and just below that, replace "`xx`" with "$n - 1$".
344 in second line from bottom, should be `...plot(t,u(:,2)),....`
355 in first displayed equation, should have $y_{n+1}^{(P)} = \frac{h}{2}(3f_n - f_{n-1})$.
363 cell 59, not cell 160.