

Errata for *Computer Vision: Algorithms and Applications*

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Hardcopy p.#	Online Sept. 3, 2010	Equation	Correction
36	40	after (2.23)	delete “and 0 is the zero vector”
44–45	49	near (2.51)	$[-1, -1] \Rightarrow [-1, 1]$ (2 occurrences)
104	118	(3.25)	$\frac{\partial^2 y}{\partial^2 y} \Rightarrow \frac{\partial^2 f}{\partial^2 y}$
124	141	(3.70)	$p(S) \Rightarrow p(O S)$
173	197	Ex 3.10	... sum up to 1? ...
276	312	(6.3)	$\mathbf{r}_i = \mathbf{x}'_i - \mathbf{f}(\mathbf{x}_i; \mathbf{p}) = \hat{\mathbf{x}}'_i - \tilde{\mathbf{x}}'_i$
252	287	(5.20)	$Int(R) = \max_{e \in MST(R)} w(e)$.
286	324		... (Section 6.1.5) to obtain ...
308	349	(7.16)	$\tilde{y}_i = s(y_i - \mu_y)$
309	349	(7.17)	$\mathbf{E} = \mathbf{T}_1^T \tilde{\mathbf{E}} \mathbf{T}_0$.
313	354	(7.34)	$\mathbf{P}_1 = [\tilde{\mathbf{H}} e]$,
314	356	above (7.35)	$\{\sigma_0, \sigma_1\}$
316	359	below (7.43)	... $\hat{\mathbf{M}}$ and $\hat{\mathbf{S}}$ are the <i>motion</i> and <i>structure</i> ...
318	361		... $\eta_j = t_{zj}^{-1}$ and ... parameters \mathbf{p}_i and (\mathbf{R}_j, t_j) , ...
331	376		A fully automated ... is presented by ...
366	415		... Lee, Chen, Lin <i>et al.</i> 1997), ...
367		Fig. 8.15	(dangling “o”)
371	422		... and smoothness norms such as L_1 or TV ...
411	469	line 2	... allows us to create ...
419	478		... recover the PSF and use it ...
428	489		(WLF) \Rightarrow (WLS)
443	505	Fig. 10.37	grayscale image with some color ...
481	550		... just as in bilateral filtering (Figure 11.9c) ...
646–647	736–737	(A.1)...	$M \Rightarrow m, N \Rightarrow n, P \Rightarrow p$.
651	742	(A.24)	$\mathbf{r}_i = \mathbf{x}'_i - \mathbf{f}(\mathbf{x}_i; \mathbf{p}) = \hat{\mathbf{x}}'_i - \tilde{\mathbf{x}}'_i$
653	745	(A.37)	$\mathbf{A} = \mathbf{U}\mathbf{\Sigma}\mathbf{V}^T$,
653	745	(A.38)	$\mathbf{A}^T \mathbf{A} = \mathbf{V}\mathbf{\Sigma}^2 \mathbf{V}^T$,
653	745	(A.39)	$\mathbf{A}^T \mathbf{A} \mathbf{v}_k = \sigma_k^2 \mathbf{v}_k$,
658	751	Alg.A.3	10. $\mathbf{p}_{k+1} = \mathbf{r}_{k+1} + \beta_{k+1} \mathbf{p}_k$ (both columns)
738	856		Lee, M.C., Chen, W.-G., Lin, C.-L. B., ...