

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)	$Int(R) = \max_{e \in MST(R)} w(e)$.
309	349	(7.17)	$\mathbf{E} = \mathbf{T}_1^T \tilde{\mathbf{E}} \mathbf{T}_0$.
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		... $\eta_j = t_{z_j}^{-1}$ and ... parameters \mathbf{p}_i and (\mathbf{R}_j, t_j) , ...
331	376		A fully automated ... is presented by ...
371	422		... and smoothness norms such as L_1 or TV ...
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)