

Corrections for "Enriques Surfaces I" by F. Cossec and I. Dolgachev

page	line	change
14	1	replace $\pi^*$ with $f^*$
15	-6	replace $f^*$ with $f_*$
23	-13	should be ". We ...
25	7	replace $R$ with $Z$
	-6	replace $E_i$ with $R_i$
27	8	replace $\alpha_i$ with $\alpha$
30	2	replace "resolution of $Y$ " with "resolution of $X$ "
39	-12	should be " type $D_4^{(1)}$ or $D_5^{(1)}$ "
84	-10	should be $H_{f_l}^1(X, G)$
89	-9	should be $\omega_X = \Omega_X^2$
105	12	should be $\alpha_{p+q+r-3}$
106		last line is missing : add " and its Dynkin diagram"
113	-8	$V^+$
123	-1	replace Lemma 5.2.1 with Lemma 2.5.1
	-6	should be "...then $x = \pm\Delta$ ..."
124	13	replace $e_n$ with $e_r$
127	7	should be $E_8 = O(\mathbf{E})(\omega_8 + 3\omega_9) \amalg O(\mathbf{E})(2\omega_8) \amalg O(E)(\omega_1 + \omega_9)$
	-6	should be "for all $i \neq 1, 2$ ."
	-4	should be $\omega_1 = \Delta - f_1$
	-3	should be $\omega_2 = 2\Delta - f_1 - f_2$
128	13	replace "base" with "basis"
129	-8	replace $\alpha_{10}$ with $\alpha_9$
	-6	in the diagram replace the edge between $\alpha_3$ and $\alpha_0$ with the edge between $\alpha_4$ and $\alpha_0$
	-1	replace $B$ with $\bar{B}$
143	-4	should be $2^7 3^4 5$
147	15	$2e_0 - (e_1 + \dots + e_{10} - e_i - e_j - e_k - e_r)$
	16	$3e_0 - 2e^-(e_1 + \dots + e_{10} - e_j - e_k)$
155	-2	replace $N$ with $R$
156	7	should be $K(\alpha_7) = \alpha_7 + 4\alpha_0 + 2\alpha_1 + 4\alpha_2 + 6\alpha_3 + 8\alpha_4 + 6\alpha_5 + 4\alpha_6$
	-12	should be $= 2f_2 - \alpha_7 = \alpha_7 + 4\alpha_0 + 2\alpha_1 + 4\alpha_2 + 6\alpha_3 + 8\alpha_4 + 6\alpha_5 + 4\alpha_6$
	-11	should be $i = 0, 2, \dots, 8$
157	-4	replace $=$ with $+$
	-3	should be $= 16e_0 - \dots$
161	9	replace $2\alpha_0$ with $4\alpha_0$
	10	should be $G(\alpha_8) = f_1 - \alpha_8 = \alpha_8 + 3\alpha_0 + 2\alpha_2 + 4\alpha_3 + 6\alpha_4 + 5\alpha_5 + 4\alpha_6 + 3\alpha_7 + \alpha_9$
	-11	replace $f_1$ with $f_2$
	-8	should be $= \alpha_8 + 3\alpha_0 + 2\alpha_2 + 4\alpha_3 + 6\alpha_4 + 5\alpha_5 + 4\alpha_6 + 3\alpha_7 + \alpha_9$
180	1	add bracket after $R_j$
181	-12	delete "primitive"
186	10	add or $A_1^*$
186	13	add (iv) $D_1 \cdot D_2 = 0$
221	-11	replace $\varphi$ with $\Phi$
	-7	replace $\varphi$ with $\Phi$
222	7	replace $\varphi$ with $\Phi$
	-10	replace $\varphi$ with $\Phi$
	-2	should be "other"
226		last line is missing: should be "Proof. Immediately follows from the Hodge Index and the"
241	12	replace §4 with §5
244	-2	delete "lying on the exceptional section $s$ of the scroll $X$ "

246 8 delete  $E_2$   
11 should be  $B \sim 4s + (4 + 2a)f$   
261 -2 replace “th” with “the”  
266 -4 should be “As in the previous ...”  
268 -10 in the third column should be 1  
273 7 replace  $C_1$  with  $C'_1$   
13 replace  $D_2$  with  $D'_1$   
15 replace  $D_2$  with  $D'_1$  and  $C_1$  with  $C''_1$   
274 -5 should be Theorem 4.9.3  
275 2 delete “non-degenerate”  
7 should be Proposition 4.9.1  
276 9 should be  $x_0^2 l_1 l_2 \varphi(x) + \dots$   
-12 should be  $(l_3) = M - E_1 - E'_1 - R$   
-11 replace “different” with “disjoint”  
-8 should be  $1, x_1, x_2, x_3, x_2 x_3, x_1 x_2, x_1 x_3, x_1^2, x_2^2, x_3^2, l_1 l_2^{-1}, l_2 l_3, l_1 l_3, l_1 l_2 l_3$   
278 -7 delete “and”  
282 -7 delete  $D_1 \cdot E \geq 0$   
284 9 insert “the” between “was” and “first”  
12 should be “observed”  
14 should be “in sense of existence of a degenerate”  
294 -6 should be  $d^t$   
295 3 should be  $J(X_\eta)$  and  $r_\eta$   
4 should be  $J(X_\eta)$   
8 should be  $Pic_{S/k} \rightarrow Pic_{X/k}^\circ$   
-14 should be  $J(X_\eta)(K)$   
-13 should be  $\text{rk}(J(X_\eta)(K))$   
297 -1 should be  $i^*(\mathcal{P}) = i^*(\mathcal{Q})$   
305 8 delete “for some  $m$  and any  $s \in S$ ”  
9 should be  $(C - C_0)^2 = 0$   
308 11 use also that, by Theorem 5.4.4,  $Tors(H^2(S, \mathcal{A} = 0))$   
313 -3 genus 1 fibration  
319 - 6 replace  $A$  with  $G$   
-2 replace  $A$  with  $G$   
321 6 should be  $(Q_l/Z_l)^{t(F)}$   
7 should be  $(Q_p/Z_p)^{t_p(F)}$   
327 8  $\Delta = a_2^3 + (a_2^2 + a_1 a_3) a_1^2$   
332 10 should be  $\Delta = 4a_1^{(i)3} + 27a_1^{(i)2}$   
333 -2 insert  $E$  between “bundle” and “of rank”  
334 -6 should be  $j_* \mathcal{O}_J(3C)$   
349 -6 replace  $E_p$  with  $R_p$   
354 -1 at a non-inflection point  
356 -3 delete “lines”  
358 12 replace  $(Z/2Z)^2$  with  $Z/4Z$   
14 delete  $(p \neq 2)$   
371 -16  $\tilde{A}_1^*$   
373 9 replace [Ra6] with [Ray6]  
380 -3 replace 39 – 366 with 327 – 352  
392 9 delete this line