ERRATUM TO "ON COMPLEX PROJECTIVE SURFACES
WITH TRIGONAL HYPERPLANE SECTIONS"

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We are indebted to Prof. F. Serrano for pointing out to us that in our paper [1] the assumption that the surface S is regular is necessary, at least in principle. So, contrary to what stated in the Introduction (end of p. 83), the main result of the paper (see (1.2), (1.4), (2.1)) holds under the assumption that S is regular. Actually, on p. 87 we prove that the three points $\alpha(p_1)$, $\alpha(p_2)$, $\alpha(p_3)$ are not collinear in the embedding of D' given by the complete linear system $|K_S \otimes L'|_{D'}$, while they are in the embedding β , which is given by $|K_S \otimes L|_{D'}$. So, in order the claim of p. 87 to be true, we would need that

(*) every element of $|K_S \otimes L'|_{D'}$ containing $\alpha(p_1)$, $\alpha(p_2)$ is cut out on D' by $|K_S \otimes L|$,

which is certainly true, if S is regular. However (*) could be false if S is not regular, as the following example shows. Let S be as in (2.4.1) with $\mathbb{E} = \mathcal{O}_B \oplus \mathcal{O}_B$ and consider the line bundle $L = \mathcal{O}_S(3\sigma + 3f)$. The pair (S, L) satisfies all the assumptions in (1.2), $(K_S \otimes L) \cdot K_S = -6$, L is very ample and the general element of $|L|$ is a trigonal curve. Moreover $K_S \otimes L$ is very ample, the three points $\alpha(p_1)$, $\alpha(p_2)$, $\alpha(p_3)$ are collinear in the embedding given by β , but the line spanned by their images is not contained in $\Phi(S)$.

- [1] BRIVIO S., LANTERI A., On complex projective surfaces with trigonal hyperplane sections. Manuscripta Math., **65** (1989), 83-92

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