CORRIGENDA TO

Scollar Invariants and Resolutions of Certain d -Gonal Curves.

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The statement of Proposition 3.1 of our paper [1] was given incorrectly. It should be replaced by the following:

PROPOSITION 3.1. *Let C be a bielliptic curve of genus $g \geq 6$, then the scollar invariants of a g_4^1 on C are as follows:*

If g is even then $((g-2)/2, (g-4)/2, 0)$.

If g is odd then either $((g-3)/2, (g-3)/2, 0)$ or $((g-1)/2, (g-5)/2, 0)$.

PROOF. The proof runs as in the previous version, except that when g is odd, for $n = (g-1)/2$, we have: $h^0(X, \mathcal{O}_X(F_n)) = h^0(\mathcal{O}_C(K_C - nD')) = 1$, if $K_C \equiv nD'$, or 0 otherwise; then $\dim(F_n/F_{n+1}) = \dim(F_{n-1}/F_n) = 1$ or 0 respectively.

This yields the values of the scollar invariants for g odd. ■

The two possibilities above for the scollar invariants when g is odd, can be explained as follows.

Let $\pi: C \rightarrow E$ be the degree two morphism of C onto the elliptic curve E . To π are associated the branch divisor B on E and a half $\mathcal{C}$ of the class of B , which, since g is odd, is of even degree $g-1$.

Let $\alpha: E \rightarrow \mathbb{P}^1$ the degree two morphism associated to the g_2^1 on E such that $\pi^*(g_2^1)$ is the chosen g_4^1 on C . $\mathcal{C}$ can be either not isomorphic or isomorphic to $\alpha^*(\mathcal{O}_{\mathbb{P}^1}((g-1)/2))$; the first case occurs for a general g_4^1 on C and it is not hard to see that it yields the first row of scollar invariants.

We would like to thank G. Casnati for bringing this matter to our attention.

REFERENCES

- [1] A. DEL CENTINA - A. GIMIGLIANO, *Scollar invariants and resolutions of certain d -gonal curves*, Ann. Univ. Ferrara, Sez. VII, Sc. Mat., **39** (1993), pp. 187-201.

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