## **Turkish Journal of Mathematics**

Turkish Journal	Knotting of algebraic curves in complex surfaces
of	Sergey Finashin
Mathematics	<u>Abstract:</u> For any d\ge 5, I constructed infinitely many pairwise smoothly non-equivalent surfaces F\subset\Cp{2} homeomorphic to a non-singular algebraic curve of degree d, realizing the same homology class as such a curve and having abelian fundamental group $\pi_1$ (\Cp2\stmin F). It is a special case of a
C Keywords	more general theorem, which concerns for instance those algebraic curves, A, in a simply connected algebraic surface, X, which admit irreducible degenerations to a curve A <sub>0</sub> , with a unique singularity of the
Authors	type X <sub>g</sub> , and such that A\cite A>16.
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