

## Elenco delle Pubblicazioni

### *The Rank of Trifocal Grassmann Tensors*

Marina Bertolini, Gian Mario Besana, Gilberto Bini, Cristina Turrini  
Preprint Luglio 2019

### *Matrices dropping rank in codimension one and critical loci in computer vision.*

Marina Bertolini, Gian Mario Besana, Roberto Notari, Cristina Turrini  
Preprint Febbraio 2019

### *Critical loci for two views reconstruction as quadratic transformations between images.*

Marina Bertolini, Luca Magri, Cristina Turrini  
Preprint 2018

### *Critical hypersurfaces and instability for reconstruction of scenes in high dimensional projective spaces.*

Marina Bertolini, Luca Magri  
Preprint 2018

### *The Bordiga surface as critical locus for 3-view reconstructions*

Marina Bertolini, Roberto Notari, Cristina Turrini  
Journal of Symbolic Computation (2018) doi.org/10.1016/j.jsc.2018.06.014

### *Generalized fundamental matrices as Grassmann tensors*

Marina Bertolini, Gian Mario Besana, and Cristina Turrini  
*Annali di Matematica* (2016). doi:10.1007/s10231-016-0585-4

### *Critical loci for projective reconstruction from multiple views in higher dimension: a comprehensive theoretical approach*

Marina Bertolini, Gian Mario Besana, and Cristina Turrini  
*Linear Algebra and its Applications* 469 (2015) pp335-363.

### *Threefolds in $\mathbf{P}^6$ of degree 12*

Marina Bertolini and Cristina Turrini  
*Advances in Geometry* 15 (2) (2015) pp245-262.

### *Linear Pose Estimate from Corresponding Conics*

A. Alzati, M. Bertolini, A. Borghese, I. Frosio, C. Turrini  
*Pattern Recognition* 45 (2012) pp. 4169-4181.

### *On the ampleness of the normal bundle of line congruences*

Enrique Arrondo, Marina Bertolini, Cristina Turrini  
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### *Applications of Multiview Tensors in Higher Dimensions.*

Marina Bertolini, Gian Mario Besana, and Cristina Turrini  
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*Tracking 3D orientation through corresponding conics*

Alberto Alzati, Marina Bertolini, Alberto Borghese, Cristina Turrini

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*Reconstruction of Some Segmented and Dynamic Scenes: Trifocal Tensors in  $P^4$ : Theoretical Set Up for Critical Loci, and Instability*

Marina Bertolini, Gian Mario Besana, and Cristina Turrini

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*Instability of Projective Reconstruction of Dynamic Scenes near Critical Configurations.*

Marina Bertolini, Gian Mario Besana, and Cristina Turrini

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*Instability of Projective Reconstruction from 1-view Near Critical Configurations in Higher Dimensions,*

Marina Bertolini, Gian Mario Besana, and Cristina Turrini

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*Critical configurations for 1-view in projections from  $P^k$  to  $P^2$ ,*

Marina Bertolini, Cristina Turrini

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*Focal loci in  $G(1,n)$*

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*Low degree 3-folds in  $P^6$*

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*A focus on focal surface*

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*Projective normality of varieties of small degree*

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*Sulla razionalita' delle 3-varietà di Fano con  $B_2 \geq 2$*

Alberto Alzati, Marina Bertolini

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