Annex A

SCIENTIFIC PAPERS (Last update: June 2015)

A1. International Journals.

(1) [**DFP,2015**] Dulio P., Frosini A., Pagani S., *A geometrical characterization of regions of uniqueness and applications to discrete tomography*, Inverse Problems, 31(12), 125011 (2015) (doi:10.1088/0266-5611/31/12/125011) (MSC: 05D05, 05A17, 11P81)

(2) [**BrDPa,2015**] Brocchi S., Dulio P., Pagani S., *Extension to fat X-rays of uniqueness results for the grid model in discrete tomography*, Recent Advances in Electrical Engineering Series, 52, 393-397, (2015) (url:http://www.inase.org/library/2015/zakynthos/SYSTEMS.pdf) (MSC: 94A08, 92C55)

(3) [**BDHP,2015**] Brunetti S., Dulio P., Hajdu L., Peri C., *Ghosts in Discrete Tomography* , Journal of Mathematical Imaging and Vision, 53, 210-224 (doi:10.1007/s10851-015-0571-2) (MSC: 68U10, 94A08, 11H71, 05D05, 15A06)

(4) [**BDPa,2015**] Brunetti S., Dulio P., Peri C., *Discrete tomography determination of bounded sets in* $\mathbb{Z}^n$, Discrete Applied Mathematics, 183 (11), (2015), 2030 (doi:10.1016/j.dam.2014.01.016) (MSC: 68U10, 68R01)

(5) [**DFR,2014**] Dulio P., Frosini A., Rozenberg, G. *Preface [Strategies for Tomography]. Held at Politecnico di Milano, Milan, May 20-21, 2013.* Fundamenta Informaticae 135 (2014) v-xxi (doi:10.3233/FI-2014-1107) (MSC: [68-06] ([94-06])

(6) [**DFP,2014**] Dulio P., Frosini A., Pagani S., *Uniqueness Regions under Sets of Generic Projections in Discrete Tomography*,18-th International Conference on Discrete Geometry for Computer Imagery (DGCI), Siena 2014, LNCS 8668, (2014) 285-296 (doi:10.1007/978-3-319-09955-2_24) (MSC: 05D05, 05A17, 11P81)

(7) [**BDP,2014**] Brunetti S., Dulio P., Peri C., *Non-additive Bounded Sets of Uniqueness in* $\mathbb{Z}^n$, 18-th International Conference on Discrete Geometry for Computer Imagery (DGCI), Siena 2014, LNCS 8668, (2014) 226-237 (doi:10.1007/978-3-319-09955-2_19) (MSC: 05D05, 05A17, 11P81)

(8) [**BDPa,2013**] Brunetti S., Dulio P., Peri C., *Explicit determination of bounded non-additive sets of uniqueness for four X-rays* International Symposium on Image and Signal Processing and Analysis, ISPA, (2013), 588-593 (doi:10.1109/ISPA.2013.6703808) (MSC: 05D05, 05A17, 11P81)

(9) [**DPa,2013**] Dulio P.- Peri C., *Discrete tomography for inscribable lattice sets*, Discrete Applied Mathematics, 161 (13-14) (2013), 1959-1974 (doi:10.1016/j.dam.2013.03.025) (MSC: 52C05, 11P21, 05B50, 68U10)

(10) [**BDP,2013**] Brunetti S., Dulio P., Peri C., *On the Non-Additive Sets of Uniqueness in a Finite Grid*, 17-th International Conference on Discrete Geometry for Computer Imagery (DGCI), Sevilla 2013, LNCS 7749, (2013) 288-299 (doi:10.1007/978-3-642-37067-0_25) (MSC: 05D05, 05A17, 11P81)

(11) [**DP,2013**] Dulio P.- Peri C., *Discrete Tomography and Plane Partitions*, Advances in Applied Mathematics, 50 (3), (2013), 390-408 (doi:10.1016/j.aam.2012.10.005) (MSC: 05A17,05D05,11P81,15A36)

(12) [**BDP,2013**] Brunetti S., Dulio P., Peri C., *Discrete tomography determination of bounded lattice sets from four X-rays*, Discrete Applied Mathematics, 161 (15) (2013), 2281-2292 (doi:10.1016/j.dam.2012.09.010) (MSC: 68U10, 92C55)

(13) **[DPa,2012]** Dulio P., Pannone V., *Iterated Joining of Rooted Trees*, Graphs and Combinatorics, 29 (5), (2013), 1287-1304 (doi:10.1007/s00373-012-1178-7) (MSC: 05C05, 05C60, 05C07, 05C31)

(14) **[DFR,2012]** Dulio P., Frosini A., Rozenberg, G. *Preface [Strategies for Tomography]. Held at Politecnico di Milano, Milan, April 26-27, 2012.* Fundamenta Informaticae, 125, (2013), i-xviii. (MSC: [68-06] ([94-06])

(15) **[BDP,2011]** Brunetti S., Dulio P., Peri C., *Characterization of* $\{-1, 0, 1\}$ *valued functions in Discrete Tomography under sets of four Directions*, LNCS 6607, 16-th International Conference on Discrete Geometry for Computer Imagery (DGCI), Nancy (2011), 394-405. (doi:10.1007/978-3-642-19867-0_33) (MSC: 68U10, 92C55)

(16) **[D,2008]** Dulio P.,*Convex decomposition of* U*-polygons*, Theoretical Computer Science, 406/1-2, (2008), 80-89 (doi:10.1016/j.tcs. 2008.06.008) (MSC:52C05 (11H06))

(17) **[DLPV,2008]** Dulio P.-Longinetti M.-Peri C.-Venturi A., *Sharp affine stability estimates for Hammer's problem*, Advances in Applied Mathematics, 41/1, (2008), 27-51 (MSC: 52A10 (52A40, 52A38, 92C55)).

(18) **[DPa,2008]** Dulio P.- Pannone V., *Joining caterpillars and stability of the tree center*, Discrete Math., 308/7, (2008), 1185-1190 (doi:10.1016/j.disc.2007.04.006) (MSC: [05C60]).

(19) **[DPe,2007]** Dulio P.- Peri C., *On the geometric structure of lattice* U*-polygons*, Discrete Math., 307/19-20 (2007), 2330-2340 (doi: 10.1016/j.disc.2006.09.044). (MSC: [52C05], ([11H06])).

(20) **[DGP,2007]** P. Dulio-R.J. Gardner-C. Peri,*An introduction to Discrete Point X-Rays*, in Advances in Discrete Tomography and Its Applications, edito da G.Herman-A.Kuba, Birkhauser Boston, 2007, 19-30. (MSC: [05B50], ([52C05], [52C07] [52B20])).

(21) **[DGP,2006]** Dulio P.- Gardner R.J.- Peri C., *Discrete point* X*-rays*, SIAM J. Discrete Math. 20, no. 1 (2006), 171-188. (MSC: [05B50], ([52C05], [52C07] [52B20]))

(22) **[DGP,2005]** Dulio P.- Gardner R.J.- Peri C., *Discrete point* X*-rays of Convex Lattice Sets*, Electronic Notes in Disc. Math., 20 (2005), 1-13. (MSC: [05B50], ([52C05], [52C07] [52B20]))

(23) **[DPa,2006]** Dulio P. - Pannone V., *Trees with path-stable center*, Ars Combinatoria, LXXX (2006), 153-175. (MSC: [05C60]).

(24) **[DPe,2006]** Dulio P.- Peri C., *Point X-rays of convex Bodies in planes of constant curvature* , Rocky Mountain J. Math., 36 (2006), no. 3, 915-930. (MSC: [52A20] ([52A30], [52A38], [52A55])).

(25) **[DPa,2005]** Dulio P.- Pannone V., *The converse of Kelly's lemma and control-classes in graph reconstruction*, Acta Univ. Palacki. Olomuc., Fac. rer. nat., Mathematica, 44 (2005), 25-38. (MSC: [05C60]).

(26) **[DPe,2002]** Dulio P.-Peri C., *Uniqueness Theorems For Convex Bodies In Non-Euclidean Spaces*, Mathematika, 49 (2002), 13-31, (2004) (MSC: [52A20] ([52A30], [52A38], [52A55])).

(27) **[DS,2002]** Dulio P.- Scapellato R., *Two discrete-non discrete results*, Discrete Math., 243 (2002), 223-228. (MSC: [54E35]).

(28) **[D,1997]** Dulio P., *Some results on the integral geometry of unions of independent families*, Rev. Colombiana Mat. 31 (1997), no. 2, 99-108. (MSC: [52A22]).

(29) **[D,1996]** Dulio P., *Kinematic description of non measurability*, Seminarberichte, Fachbereich Mathematik, Fernuniversität, Hagen, 54, (1996), 64-77. (MSC: [53C65] ([52A22]))

A2. National Journals.

(1) **[FD,2015]** Finotelli P.- Dulio P. *Graph Theoretical Analysis of the Brain. An Overview*, Scienze e Ricerche n. 9, luglio 2015 (2015), 89-96. (MSC: [52A30] ([62P10], [92B20])

(2) **[DF,2009]** Dulio P.- Frosini A. *Preface [TAIR 2009]. Held at Politecnico di Milano, Milan, March 2627, 2009.* Pure Math. Appl. (PU.M.A.) 20 (2009), no. 1-2, 1. (MSC: [68-06] ([94-06])

(3) **[D,2006]** Dulio P., *Geometric Tomography in a Graph*, Rend. Circ. Mat. Palermo, (2) Suppl., 77 (2006), 229-266. (MSC: [52A30], ([05C60])).

(4) **[DPa,2006]** Dulio P. - Pannone V., *Trees with the same path-table*, Le Matematiche, (Catania) **60** (2005), no. 1, 59-65 (2006) (MSC: [05C60]).

(5) **[DPe,2002]** Dulio P.-Peri C., *On Hammer's X-ray problem in spaces of constant curvature,* 4th International Conference on Stochastic Geometry, Convex Bodies, Empirical Measures, and Applications to Engineering Science (Tropea, September 2001), Rend. Circ. Mat. Palermo, (2) Suppl., 70, part I (2002), 229-236. (MSC: [52A20], ([52A30], [52A38], [52A55])).

(6) **[DPe,2000]** Dulio P.- Peri C., *Invariant Valuations on Spherical Star Sets*, Rend. Circ. Mat. di Palermo (2) Suppl., 65, part II (2000), 81-92. (MSC: [52A30],([52B45])).

(7) **[D,1999]** Dulio P., *Generically secant and secant families,* Note Mat, 18 (1998), no. 1, 1-15 (1999). (MSC: [51-XX]).

(8) **[D,1997]** Dulio P., *Iterations of a family of varieties*, Rend. Circ. Mat. di Palermo, (2) Suppl., 50, (1997), 133-142. (MSC: [52A22]).

(9) **[D,1996a]** Dulio P., *On weak subfamilies and the classification of families of varieties*, Le Matematiche, LI, (1996)- Supplemento, 91-100. (MSC: [53C65]).

(10) **[D,1996b]** Dulio P., *On some methods for building measures*, Rend. Circ. Mat. di Palermo, (2) Suppl., 41, (1996), 69-79. (MSC: [53C65], ([52A22])).

(11) **[D,1996c]** Dulio P., *Restrictions of measures on subfamilies*, Rend. Circ. Mat. di Palermo, (2) Suppl., 41, (1996), 45-68. (MSC: [53C65], ([52A22])).

(12) **[D,1995]** Dulio P., *Sulla misurabilità della famiglia dei sistemi di cilindro quadrico parabolico e coppia di piani passanti per un punto fisso di* A_3, Rend. Circ. Mat. Palermo (2) Suppl. No. 38, (1995), 25-30. (MSC: [53C65]).

(13) **[DPet,1995a]** Dulio P.-Petriccione M., *Sulla misurabilità delle famiglie dei sistemi di k iperpiani* $(1 \leq k < 7)$ *passanti per un punto fisso dello spazio affine* A_7, Atti Accad. Peloritana Pericolanti Cl. Sci. Fis. Mat. Natur. 71 (adunanza del 27 settembre 1993), 407–426 (1995). (MSC: [52A22]).

(14) **[DPet,1995b]** Dulio P.-Petriccione M., *Sulla misurabilità delle famiglie dei sistemi di due e tre iperpiani passanti per un punto fisso di* A_4, Atti Accad. Peloritana Pericolanti Cl. Sci. Fis. Mat. Natur. 71 (adunanza del 27 settembre 1993), 427–435 (1995). (MSC: [52A22]).

(15) **[SaD,1994]** Santoro G.- Dulio P., *Caratterizzazione della misurabilità per le famiglie dei sistemi di iperpiani passanti per un punto fisso dello spazio affine* A_n, $(n \geq 3)$, Rend. Circ. Mat. Palermo (2) Suppl. No. 35, (1994), 251-273. (MSC: [53C65]).

(16) **[D,1993a]** Dulio P., *MSC delle misure associate alla famiglia dei sistemi di due iperpiani passanti per un punto fisso dello spazio affine* A_n, $n \geq 3$, Atti della Acc.di Sc. Lett. e Arti di Palermo, seduta del 30 giugno 1993, (1993). (MSC: [52A22]).

(17) **[D,1993b]** Dulio P., *Generazione e localizzazione degli insiemi invarianti*, Boll. Un. Mat. Ital. B (7) 7 (1993),

no. 4, 921-935. (MSC: [54H20]).

(18) **[D,1991]** Dulio P., *Aspetti dimensionali dell'autosomiglianza iperbolica*, Boll. Un. Mat. Ital. B (7) 5 (1991), no. 3, 557-571. (MSC: [51M10]).