

PUBLICATIONS DE L'INSTITUT MATHÉMATIQUE
Nouvelle série, tome 57 (71), 1995, 2–12
Đuro Kurepa memorial volume

**SELECTED PUBLICATIONS
OF ĐURO KUREPA**

1933

- * [1] *Sur les espaces distanciés séparables généraux*, C. R. Acad. Sci. Paris **197** (1933), 1276–1278

1934

- [1] *Sur le continu linéaire*, C. R. Acad. Sci. Paris **198** (1934), 703–705
[2] *Sur les ensembles ordonnés*, Ibidem, 882–885
*[3] *Tableaux ramifiés d'ensembles. Espaces pseudodistanciés*, Ibidem, 1563–1565
[4] *Tableaux ramifiés d'ensembles*, C. R. Acad. Sci. Paris **199** (1934), 112–114

1935

- [1] *Ensembles ordonnés et ramifiés*, (Thèse) Paris, 1935, 6 + 138 + 2 p.
*[2] *Ensembles ordonnés et ramifiés*, Publ. Math. Univ. Belgrade **4** (1935), 1–138

1936

- *[1] *L'hypothèse de ramification*, C. R. Acad. Sci. Paris **202** (1936), 185–187
[2] *L'espace (Ω) n'est pas une classe (E)*, Publ. Math. Univ. Belgrade **5** (1936), 92–99
*[3] *Sur les classes E et D* , Ibidem, 124–132
*[4] *Le problème de Souslin et les espaces abstraits*, C. R. Acad. Sci. Paris **203** (1936), 1049–1052

1937

- *[1] *Un critère de distanciabilité*, Mathematica (Cluj) **13** (1937), 59–65
*[2] *Ensembles linéaires et une classe de tableaux ramifiés. (Tableaux rafiniés de M. Aronszajn)*, Publ. Math. Univ. Belgrade **6/7** (1937/38), 129–160

Papers marked by an asterisk (*) will appear in a book of selected works of Đuro Kurepa, as an edition of the Mathematical Institute in Belgrade

- * [3] *Le problème de Souslin et les espaces abstraits*, C. R. Acad. Sci. Paris **204** (1937), 325–327
- * [4] *Transformations monotones des ensembles partiellement ordonnés*, C. R. Acad. Sci. Paris **205** (1937), 1033–1035
- * [5] *L'hypothèse du continu et les ensembles partiellement ordonnés*, C. R. Acad. Sci. Paris **205** (1937), 1196–1198

1938

- [1] *On order relations*, Rad. JAZU **261** (81), (1938), 187–212 (In Serbian)

1939

- [1] *Sul les relations d'ordre*, Bull. Int. Acad. Yougoslave Beaux-Arts **32** (1939), 66–76
- * [2] *Sur la puissance des ensembles partiellement ordonnés*, C. R. Soc. Sci. Varsovie, Cl. Math. **32** (1939), 61–67

1940

- * [1] *Une propriété des familles d'ensembles bien ordonnés linéaires*, Studia Math. **9** (1940), 23–42
- * [2] *Transformations monotones des ensembles partiellement ordonnés*, Revista de Ciencias (Lima) **42** (1940), № 434, 827–846; **43** (1941), № 437, 483–500

1942

- [1] *Über eine Eigenschaft von Systemen linearer wohlgeordneter Mengen*, Math. Ann. **118** (1942), 578–587
- * [2] *A propos d'une généralisation de la notion d'ensembles bien ordonnés*, Acta Math. **75** (1942), 139–150

1945

- * [1] *Le problème de Souslin et les espaces abstraits*, Rev. Cienc. (Lima) **47** (1945), 457–488

1946

- [1] *Triangle and orthotriangle*, Glas. Mat. Ser. II **1** (1946), 90–91, (In Serbian)

1947

- [1] *Ensembles de suites dénombrables d'entiers (contribution au problème de Souslin)*, Izv. Akad. Nauk SSSR, Ser. Mat. **11** (1947), 59–66 (Russian translation 67–77)

1948

- * [1] *L'hypothèse du continu et le problème de Souslin*, Publ. Inst. Math. **2** (1948), 26–36
- * [2] *Sur les ensembles ordonnés dénombrables*, Glas. Mat. Ser. II **3** (1948), 145–150

1949

- [1] *The concept of a binary relation. Equivalence relation. Order relations*, Vesnik DMFS **1** (3/4) (1949), 53–58 (In Serbian)

1950

- [1] *Sul la définition et l'ensemble des nombres complexes*, Publ. Inst. Math. **3** (1950), 89–99
- *[2] *Ensembles partiellement ordonnés et ensembles partiellement bien ordonnés*, Publ. Inst. Math. (Beograd) **3** (1950), 119–125
- [3] *Sur une définition et une ordination des nombres complexes*, Vesnik DMFS **2** (1/2) (1950), 1–18 (In Serbian)
- [4] *Le problème de la mesure et les transformations monotones des ensembles partiellement ordonnés*, Rad. JAZU **277** (1950), 229–237 (In Serbian); Bull. Internat. Acad. Yougoslave Sci. Beaux-Arts (N.S.) **6** (1952), 91–96
- [5] *The principle of complete induction*, Rad. JAZU **277** (1950), 238–248 (In Serbian); Bull. Internat. Acad. Yougoslave Sci. Beaux-Arts (N.S.) **6** (1952), 97–103
- [6] *Démonstration du principe de l'induction totale*, C. R. Acad. Sci. Paris **230** (1950), 703–705
- [7] *Sur la notion de processus (fonction générale)*, C. R. Acad. Sci. Paris **231** (1950), 316–318
- *[8] *La condition de Souslin et une propriété caractéristique des nombres réels*, C. R. Acad. Sci. Paris **231** (1950), 1113–1114
- [9] *On the character of mathematics. First Congress of Mathematicians and Physicists of Yugoslavia*, Bled, (1949), t. 1, Belgrade, (1950), 182–183 (In Serbian).

1951

- [1] *Problématique des ensembles partiellement ordonnés. Premier congrès des mathématiciens et physiciens de la RPF Yougoslavie*, Bled, 1949, t. 2, Beograd, 1951, 7–19 (In Serbian)
- [2] *Fonctions et correspondances et liaison avec l'enseignement secondaire*, Ibidem, 49–58 (In Serbian)
- [3] *Über die Prinzipien der Induction*, Rec. tr. inst. math., fasc. **1** (1951), 109–118. (In Serbian)
- [4] *The Theory of Sets*, Zagreb, 1951, 443 p. (In Serbian)

1952

- [1] *Sur les ensembles partiellement ordonnés*, Proc. Internat. Congr. Math., Cambridge (Mass.), (1950), vol. 1, Providence, (1952), 460–461
- *[2] *On a characteristic property of finite sets*, Pacific J. Math. **2** (1952), 323–326
- [3] *Rational numbers as ordered triplets of natural integers*, Glasnik MFA **7** (1952), 133–139
- *[4] *Sur une propriété caractéristique du continu linéaire et le problème de Souslin*, Publ. Inst. Math. **4** (1952), 97–108
- [5] *Remarque sur le produit de deux nombres complexes de même*, Publ. Inst. Math. **4** (1952), 176–177

- [6] *On a definition and notation of matrices. On a kind of switch matrices*, Vesnik DMFS **4** (1/2) (1952), 1–4, 5–7
- [7] *Sur la relation d'inclusion et l'axiome de choix de Zermelo*, In: *Actes du 2^e Coll. Internat. de Logique Math.*, Paris, 1956, 95–96
- *[8] *Sur la relation d'inclusion et l'axiome de choix de Zermelo*, Bull. Soc. Math. France **80** (1952), 225–232
- [9] *Deux conséquences équivalentes, relatives aux nombres ordinaux, de la bonne ordination du continu linéaire*, C. R. Acad. Sci. Paris **234** (1952), 175–177
- [10] *Die Permutation einer Menge und das Auswahlaxiom*, III Österr. Math. Kongress, Salzburg, 1952, Vortragsberichte. Salzburg, 1952, p. 102

1953

- *[1] *Über das Auswahlaxiom*, Math. Ann. **126** (1953), 381–384
- [2] *Généralisation de l'opération de Souslin, de celle d'Alexandroff et de la formule de Morgan*, Rad. JAZU **292** (1953); 233–249 (In Serbian); Bull. Internat. Acad. Yougosl. (N.S.) **5** (1955), 96–107
- [3] *Real and ordinal numbers as sets of rational numbers*, Glasnik MFA (2) **8** (1953), 270–278 (In Serbian)
- [4] *On some coupled operators in ordered sets*, Vesnik DMFS **5** (3/4) (1953), 15–19
- [5] *Sur les polytopes*, Vesnik DMFS **5** (3/4) (1953), 23–29
- [6] *Über die Binomialkoeffizienten*, Ibidem, 33–41
- *[7] *On reflexive symmetric relations and graphs*, Acad. Sci. Art. Slovenica, Cl. III, Ser. A, Dissertationes IV/4. Ljubljana, 1952/1953
- *[8] *Sur une hypothèse de la théorie des ensembles*, C. R. Acad. Sci. Paris (1953), 564–565
- *[9] *Sur un principe de la théorie des espaces abstraits*, C. R. Acad. Sci. Paris **256** (1953), 655–657
- [10] *Sur les correspondances multivoques*, C. R. Acad. Sci. Paris **257** (1953), 1133–1135

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- [1] *On symmetrical binary relations*, Conseil Acad. RFP Yougoslavie Bull. Scientifique 2 (Zagreb 1954), No 1, 9
- [2] *Fonctions croissantes dans la famille des ensembles bien ordonnés*, Ibidem, 9
- [3] *Über die Binomialzahlen*, Ibidem, 9–10
- [4] *Sur la relation d'inclusion et l'axiome de choix de Zermelo*, In: *Applications scientifiques de la Logique mathématique (Actes 2^e Coll. Internat. Logique math., 25–30 Aout 1952)*, Gauthier-Villars, Paris, p. 176. Discussions: 23–24, 64, 74, 83, 95–96, 127–128, 140, 159–160
- *[5] *Sur les fonctions réelles dans la famille des ensembles bien ordonnés des nombres rationnels*, Rad. JAZU **296** (1953), 85–93 (In Serbian); Bull. Internat. Acad. Yougosl. Cl. Math. Phys. Tech. (N.S.) **12** (1954), 35–42

- [6] *Some remarks on abstract spaces*, Ibidem, 95–103 (In Serbian); Ibidem, 43–50
- [7] *Über die Faktoriellen endlicher und unendlicher Zahlen*, Ibidem, 105–122 (In Serbian); Ibidem, 51–64
- [8] *Une généralisation des matrices*, C. R. Acad. Sci. Paris **239** (1954), 19–20
- [9] *Some induction principles*, In: *Proc. Internat. Math. Congress, 1954, vol. 2*, p. 130; Bull. Sci. Youg. **2** (1955), 81
- [10] *The role of mathematics and mathematicians in the present time*, Enseign. Math. Phys. **3** (1954), 1–15

1955

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- [2] *Some principles of induction*, Publ. Inst. Math. **8** (1955), 1–12
- [3] *Sur les principes de l'enseignement mathématique*, Enseign. Math. Phys. **4** (1955), 133–140
- [4] *Still about induction principles*, Rad. JAZU **302** (1955), 77–86 (In Serbian and English)
- [5] *On the symmetry*, Glasnik MFA (2) **10** (1955), 239–254
- [6] *Quelques aspects de l'importance de la théorie des ensembles*, Ibidem, 255–257
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- [9] *Le rôle des mathématiques et du mathématicien à l'époque contemporaine*, Enseign. Math. **1** (1955), 93–111

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- [2] *Ecart astratto. Distanza astratta*, In: *Atti del quinto congresso dell'Unione matematica italiana*, Pavia-Torino, 1956. Roma, 1956, 332–333
- * [3] *Ensembles ordonnés et leur sous-ensembles bien ordonnés*, C. R. Acad. Sci. Paris **242** (1956), 2202–2203
- [4] *Geordnete Mengen und Partitivmengen*, Veirter Österr. Math. Kongress, Wien, 1956. Vortragsauszüge. Wien, 1956, p. 202

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- * [2] *On a new reciprocity, distribution and duality Law*, Pacific J. Math. **7** (1957), 1125–1143

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- [1] *On regressing functions*, Z. Math. Logik Grundlag. Math. **4** (1958), 148–156
- [2] *Ordinalzahlen* (Anhang zu Kapitel I) In: *Grundzüge der Mathematik I*, Göttingen, 1958, 158–171 (Zusammen mit A. Aymanns)
- * [3] *Ein Lemma über Transformationen*, Math. Nachr. **19** (1958), 186–189

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1959

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*[5] *General continuum hypothesis and ramifications*, Fund. Math. **37** (1959), 29–33

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[8] *Some modern trends in the teaching of mathematics*, Ibidem, p. 121

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1960

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1961

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- [4] *Some principles on the coordination of mathematics and physics*, Nastava matematike i fizike **10** (1961), 51–57 (In Serbian)

1962

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- *[3] *On an inequality concerning Cartesian multiplication*, In: *General Topology and its Relations to Modern Analysis and Algebra*, (Proc. Symp. Prague, Sept., 1961). Prague, 1962, 258–259

1963

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- [2] *On universal ramified sets*, Glasnik MFA (2) **18** (1963), 18–24
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- *[5] *On the existence of pseudometric non totally orderable spaces*, Ibidem, 183–192
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1964

- [1] *Some reflexions on sets and non-sets*, Publ. Inst. Math. (N.S.) **4** (18) (1964), 101–106
- [2] *Remark on recent two results of Dilworth and Gleason*, Ibidem, 107–108
- *[3] *Factorials of cardinal numbers and trees*, Glasnik MFA (2) **19** (1964), 7–21
- [4] *Fixpoints of monotone mappings of ordered sets*, Ibidem, 167–173
- [5] *Monotone mappings between some kinds of ordered sets*, Ibidem, 175–186
- [6] *On universal ordered sets*, Publ. Fac. Sci. Univ. J. E. Purkině **A28** (1964), 475–476

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1966

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- [3] *The first centennial of birth of Jacques Hadamard (Jacques Salomon Hadamard 8.12.1865 – 17.10.1963)*, Ibidem, 69–72

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1968

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- [4] *Plemelj Josip (11.12.1873. Bled – 22.05.1967. Ljubljana)*, Mat. Vesnik **5** (20) (1968), 229–242
- [5] *Programmation et un problème de Petrović sur les extrema*, Ibidem, 419–422 (In Serbian; a summary in French)

1969

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- [2] *A remark on equivalence relation*, Mat. Vesnik **6** (21) (1969), 27–28
- [3] *On several continuum hypotheses*, In: *Aspects of Mathematical Logic* (C.I. M.E. Varenna, 1969), Roma, 1969, 55–64
- [4] *Around the general Suslin problem*, In: *Topology and its Applications* (Proc. Internat. Symp. Topology Appl., Herceg-Novи, 25–30 Aug. 1968), Društvo matematičara, Beograd, 1969, 239–245

1970

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1971

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1973

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1975

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1976

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1977

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[2] *Monotone mapping and cellularity of ordered sets*, In: *General Topology and Its Relations to Modern Analysis and Algebra IV* (Proc. Fourth Prague Topology Symp., 1976, Part B). Prague, 1977, 247–253

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- [6] *Some remarks on my paper “Sur deux classes d’hypothèses concernant le continu linéaire ou temporel”,* Ibidem, 217–228
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1978

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1979

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- [5] *Exponential power graph majoration and graph partition relation,* Ibidem

1980

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- [3] *Allgemeine Metrik,* Mitt. Math. Ges. DDR **4** (1980), 67–70
- [4] *On the fixed point problematics and applications,* Math. Balkanica **10** (1980)
- [5] *Relations between a structure and various proper substructures. Applications,* Ibidem
- [6] *Welcome speech on behalf of the Balkan Mathematical Union (at the opening of the International Summer School “Applied Mathematics and Informatics for Socioeconomic Development” (Thessaloniki 1980)),* Ibidem
- [7] *On non-numerical measures,* Ibidem

1981

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1982

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1983

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1985

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1987

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1988

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1989

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1993

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Some used abbreviations

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