

**МИХАИЛО ПЕТРОВИЋ АЛАС И
СРПСКА ПРИМЕЊЕНА МАТЕМАТИКА**

Бошко Јовановић

Институт за математику САНУ

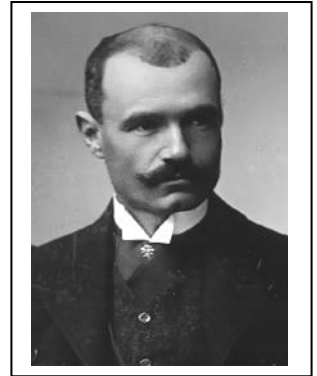
8. мај 2018.

Все мы вышли из гоголевской шинели
Ф.М. Достоевский

MIHAILO PETROVIĆ

1868-1943

Dissertation:



**Sur les zéros et les infinis des intégrales des équations
différentielles algébriques**

Université Paris IV - Sorbonne, France, 1894

Advisor 1: Charles Hermite

Advisor 2: Charles Émile Picard

PRETHODNICI

Mathematics Genealogy Project, <https://www.genealogy.math.ndsu.nodak.edu/id.php?id=53473>

Mihailo Petrović (1894)

Charles Hermite

Eugène-Charles Catalan

Joseph Liouville

Simeon Denis Poisson

Joseph Louis Lagrange

Leonhard Euler

Johann Bernoulli

Jacob Bernoulli

Nicolas Malebranche

Gottfried Wilhelm Leibniz

Jakob Thomasius

Friedrich Leibniz (1622)

Unknown

KOMENTORI, VIŠESTRUKI DOKTORATI

Mihailo Petrović (1894)

Charles Hermite and Charles Émile Picard⁽¹⁾

Eugène-Charles Catalan

Joseph Liouville

Siméon Denis Poisson^[a] and Louis Jacques Thenard⁽²⁾

Joseph Louis Lagrange and Pierre-Simon Laplace⁽³⁾

Leonhard Euler; Giovanni Battista (Giambattista) Beccaria*

Johann Bernoulli

Jacob Bernoulli and Nikolaus Eglinger⁽⁴⁾

Nicolas Malebranche; Peter Werenfels⁽⁵⁾

Gottfried Wilhelm Leibniz

Jakob Thomasius and Erhard Weigel^[b]; Bartholomäus Leonhard Schwendendörffer*; Christiaan Huygens⁽⁶⁾

Friedrich Leibniz (1622)

Unknown

Charles Émile Picard⁽¹⁾

Gaston Darboux

Michel Chasles

Siméon Denis Poisson^[a]

Pierre-Simon Laplace⁽³⁾

Jean Le Rond d'Alembert

Unknown

Nikolaus Eglinger⁽⁴⁾

Emmanuel Stupanus^[c] and

Johann Caspar Bauhin⁽⁹⁾

Petrus Ryff

Felix Plater

Guillaume Rondelet

Johannes Winter von Andernach^[d]

Rutger Rescius

Girolamo Aleandro (Hieronymus Aleander)
(1499, 1508)

Moses Perez and Scipione Fortiguerra⁽¹⁰⁾

Unknown

Louis Jacques Thenard⁽²⁾

Nicolas Louis Vauquelin

Antoine Francois de Fourcroy

Jean Baptiste Michel Bucquet

Pierre Joseph Macquer

Gillaume-Francois Rouelle

Johann Gottlob Spitzley

Nicolas Lemery (1645-1715)

Christoph Jacob Glaser

Johann Christoph Sturm

Erhard Weigel^[b] and Johannes de Raey⁽⁷⁾

Philipp Müller

Christoph Meurer

Moritz Valentin Steinmetz

Georg Joachim von Leuchen Rheticus and

Johann Hoffmann*

Johannes Volmar and Nicolaus Copernicus

(Mikołaj Kopernik)⁽⁸⁾

Bonifazius Erasmi (1509)

Unknown

Peter Werenfels⁽⁵⁾

Theodor Zwinger, Jr.

Sebastian Beck

Johann Jacob Grynaeus

Simon Sulzer

Wolfgang Fabricius Capito

Desiderius Erasmus^[e]

Jan Standonck (1474,1490) and Alexander Hegius⁽¹¹⁾

Unknown

Christiaan Huygens⁽⁶⁾

Frans van Schooten, Jr.; Jan Jansz Stampioen, Jr.*

Jacobus Golius and Marin Mersenne*

Willebrord Snellius (Snel van Royen) and Thomas Erpenius⁽¹²⁾

Ludolph van Ceulen and Rudolph Snellius (Snel van Royen)^{(13)[f]}

Unknown

Johannes de Raey⁽⁷⁾

Henricus Regius (Hendrik de Roy) and Adriaan Heereboord⁽¹⁴⁾

Otho Heurnius (Otto van Heurne); Adriaan van den Spieghel⁽¹⁵⁾

Johannes Heurnius (Johan van Heurne) and Petrus Molinaeus (Pierre du Moulin)*

Petrus Ramus (Pierre de La Ramée)^[g]; Hieronymus Fabricius (Girolamo Fabrici d'Acquapendente)^[h]

Johannes Sturm (Johann Sturm) and Jacques Toussain^[i]

Nicolas Clénard (Nicolaes Cleynaerts) and Johannes Winter von Andernach^[d]

Jacobus Latomus (Jacques Masson) and Jan van Campen (Johannes Campensis)⁽¹⁶⁾

Jan Standonck; Unknown

Unknown

Nicolaus Copernicus (Mikołaj Kopernik)⁽⁸⁾
Leonhard von Dobschütz and
Domenico Maria Novara da Ferrara⁽¹⁷⁾
Unknown

Johann Caspar Bauhin⁽⁹⁾
Emmanuel Stupanus^[c]

Scipione Fortiguerra⁽¹⁰⁾
Angelo Poliziano
Marsilio Ficino and Cristoforo Landino*
Johannes Argyropoulos^[j]
Basilios Bessarion^[k]
Georgios Plethon Gemistos
Demetrios Kydones^[l] and
Elissaeus Judaeus*
Nilos Kabasilas (1363)
Gregory Palamas
Theodore Metochites (1315)
Manuel Bryennios
Gregory Chioniadis
Shams ad-Din Al-Bukhari
Nasir al-Din al-Tusi (1201-1274)
Kamal al Din Ibn Yunus (1156-1241)
Unknown

Alexander Hegius⁽¹¹⁾
Rudolf Agricola and
Thomas von Kempen à Kempis⁽¹⁸⁾
Theodoros Gazes^[m]
Vittorino da Feltre^[n]
Guarino da Verona
Manuel Chrysoloras
Demetrios Kydones^[l]

Thomas Erpenius⁽¹²⁾
Joseph Justus Scaliger
Adrien Turnèbe
Jacques Toussain^[i]
Guillaume Budé (1486,1491)
Georgius Hermonymus and Janus Lascaris^{(19)[o]}
Unknown

Rudolph Snellius (Snel van Royen)^{(13)[f]}
Valentine Naibod and
Immanuel Tremellius⁽²⁰⁾
Erasmus Reinhold^[p]
Jakob Milich
Desiderius Erasmus^[e]; Ulrich Zasius*

Adriaan Heereboord⁽¹⁴⁾

Franck Pieterszoon Burgersdijk

Gilbert Jacchaeus

Duncan Liddel; Jacobus Arminius (Jacob Harmensz)⁽²¹⁾

John Craig and Paul Wittich⁽²²⁾; Unknown

Theodor Zwinger

Petrus Ramus (Pierre de La Ramée)^[g]; Bassiano Landi⁽²³⁾ and Vittore Trincavelli⁽²⁴⁾

Adriaan van den Spiegel⁽¹⁵⁾

Hieronymus Fabricius (Girolamo Fabrici d'Acquapendente)^[h]

Gabriele Falloppio

Antonio Musa Brasavola and Matteo Realdo Colombo (Renaldus Columbus)⁽²⁵⁾

Niccolò Leonicensi^[q]

Ognibene Bonisoli da Lonigo (Omnibonus Leonicenus); Pelope* and Pietro Roccabonella⁽²⁶⁾

Vittorino da Feltre^[n] (1416)

Jan van Campen (Johannes Campensis)⁽¹⁶⁾

Johann Reuchlin (Johannes Kapnion)^[r]; Matthaeus Adrianus*

Johannes Argyropoulos^[l]; Jacob ben Jehiel Loans*

Domenico Maria Novara da Ferrara⁽¹⁷⁾

Johannes Müller Regiomontanus and Luca Pacioli*

Georg von Peurbach and Basilios Bessarion^[k]

Johannes von Gmunden

Heinrich von Langenstein (1363; 1375)

Nicole Oresme; Unknown

Unknown

Thomas von Kempen à Kempis⁽¹⁸⁾

Geert Gerardus Magnus Grootte and Florens Florentius Radwyn Radewyns*

Unknown

Janus Lascaris^{(19)[o]}

Basilius Bessarion^[k] (*Βασίλειος Βυσαρτων, 1403-1472*) and Demetrios Chalcocondyles⁽²⁷⁾

Immanuel Tremellius⁽²⁰⁾

Thomas Cranmer; Unknown

Unknown; Unknown

Jacobus Arminius (Jacob Harmensz)⁽²¹⁾

Rudolph Snellius (Snel van Royen)^{(13)[f]}

Paul Wittich⁽²²⁾

Valentin Thau

Johannes Hommel

Erasmus Reinhold^[p] and Philipp Melanchthon⁽²⁸⁾

Bassiano Landi⁽²³⁾

Giovanni Battista della Monte^[s] and Vittore Trincavelli⁽²⁴⁾

Marco Musuro and Pietro Pomponazzi^[t]; Niccolò Leonicensi^[q]

Janus Lascaris^{(19)[o]}

Vittore Trincavelli⁽²⁴⁾
Pietro Pomponazzi^[t]
Nicoletto Vernia and Pietro Rocabonella⁽²⁶⁾
Gaetano da Thiene^[u]
Unknown

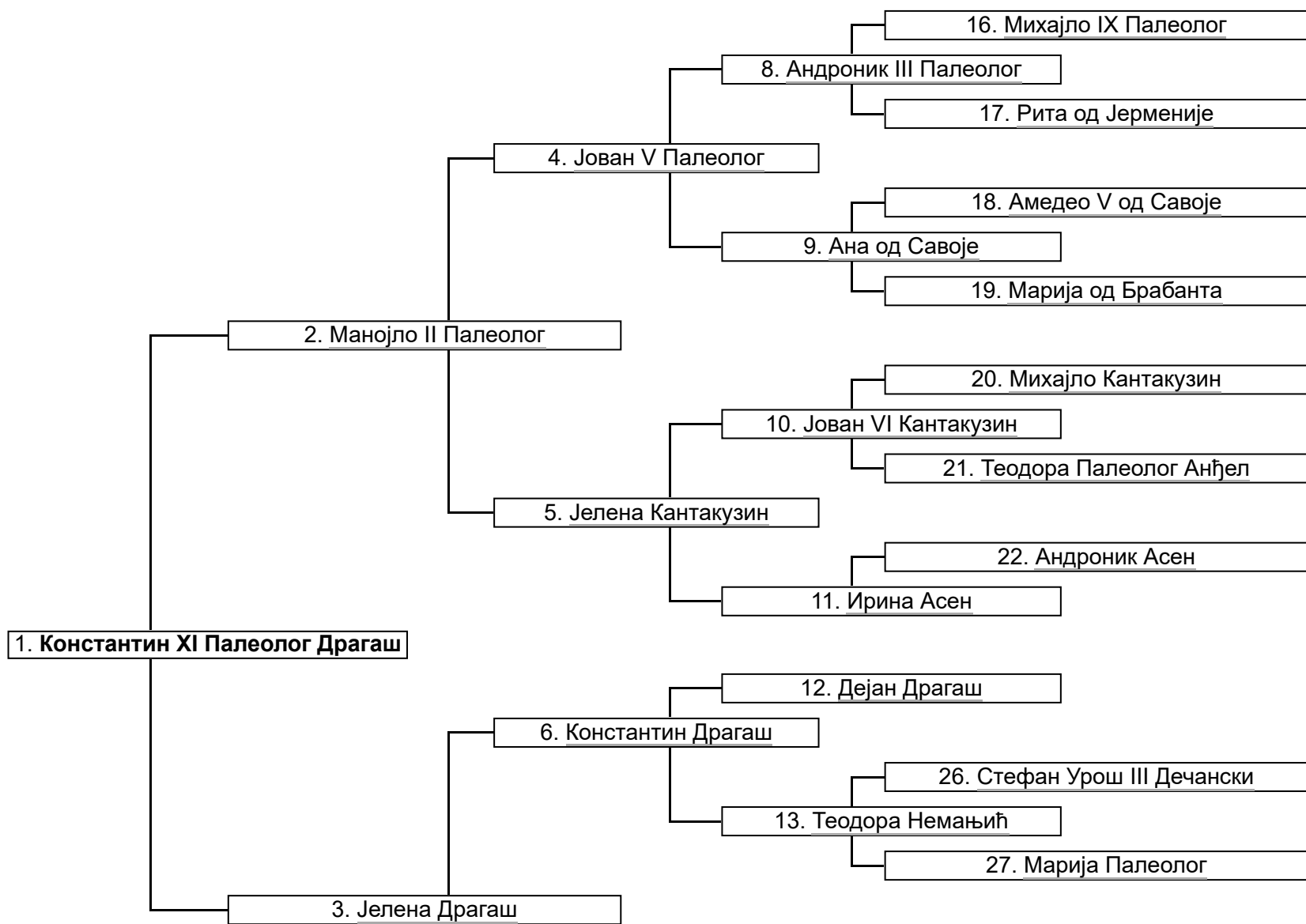
Matteo Realdo Colombo (Renaldus Columbus)⁽²⁵⁾
Andreas Vesalius (Andries van Wesel)
Johannes Winter von Andernach^[d] and Gemma Frisius (Jemme Reinerszoon)⁽²⁹⁾
and Giovanni Battista della Monte^[s]

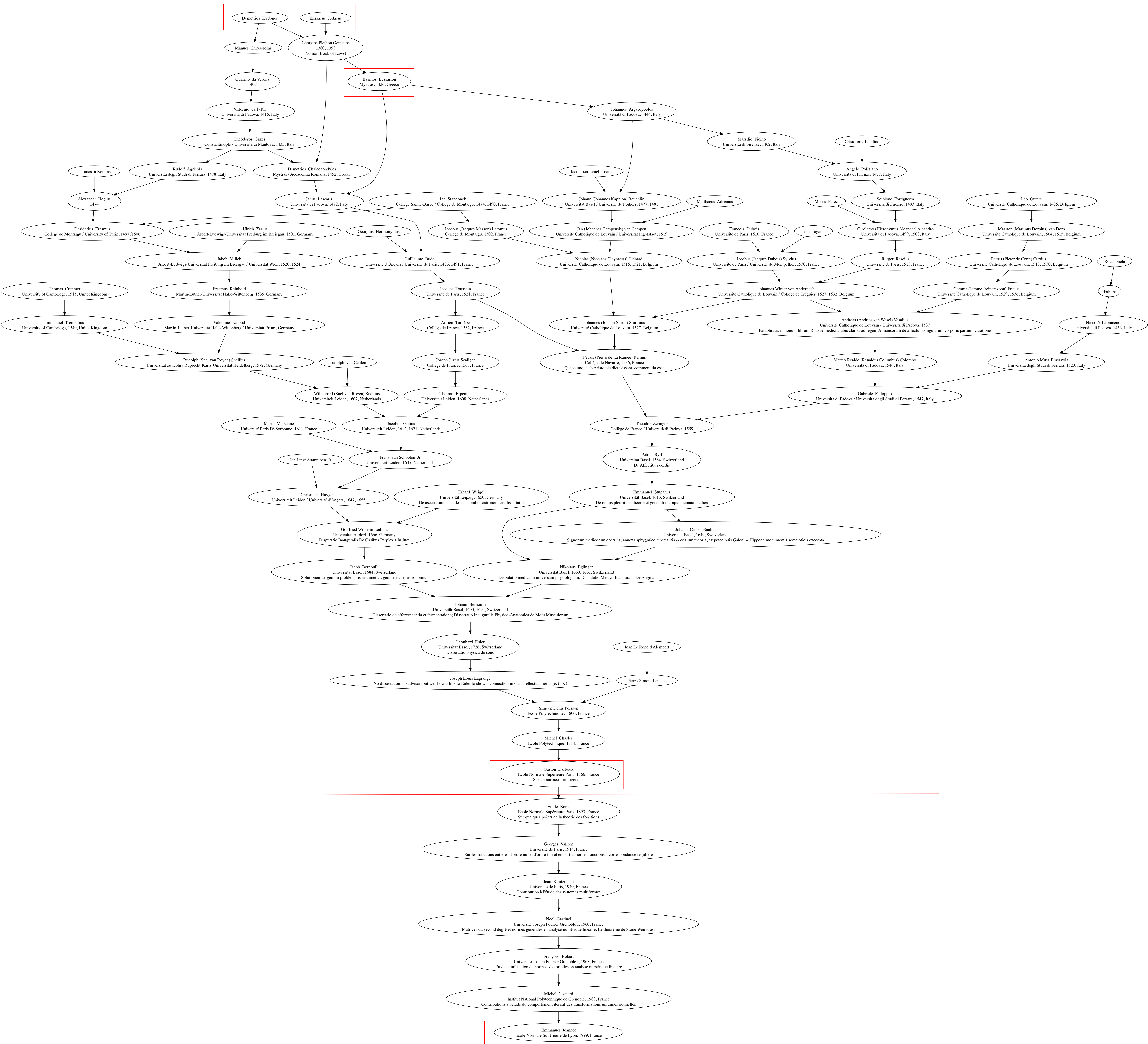
Pietro Rocabonella⁽²⁶⁾
Gaetano da Thiene^[u] and Sigismondo Polcastro*

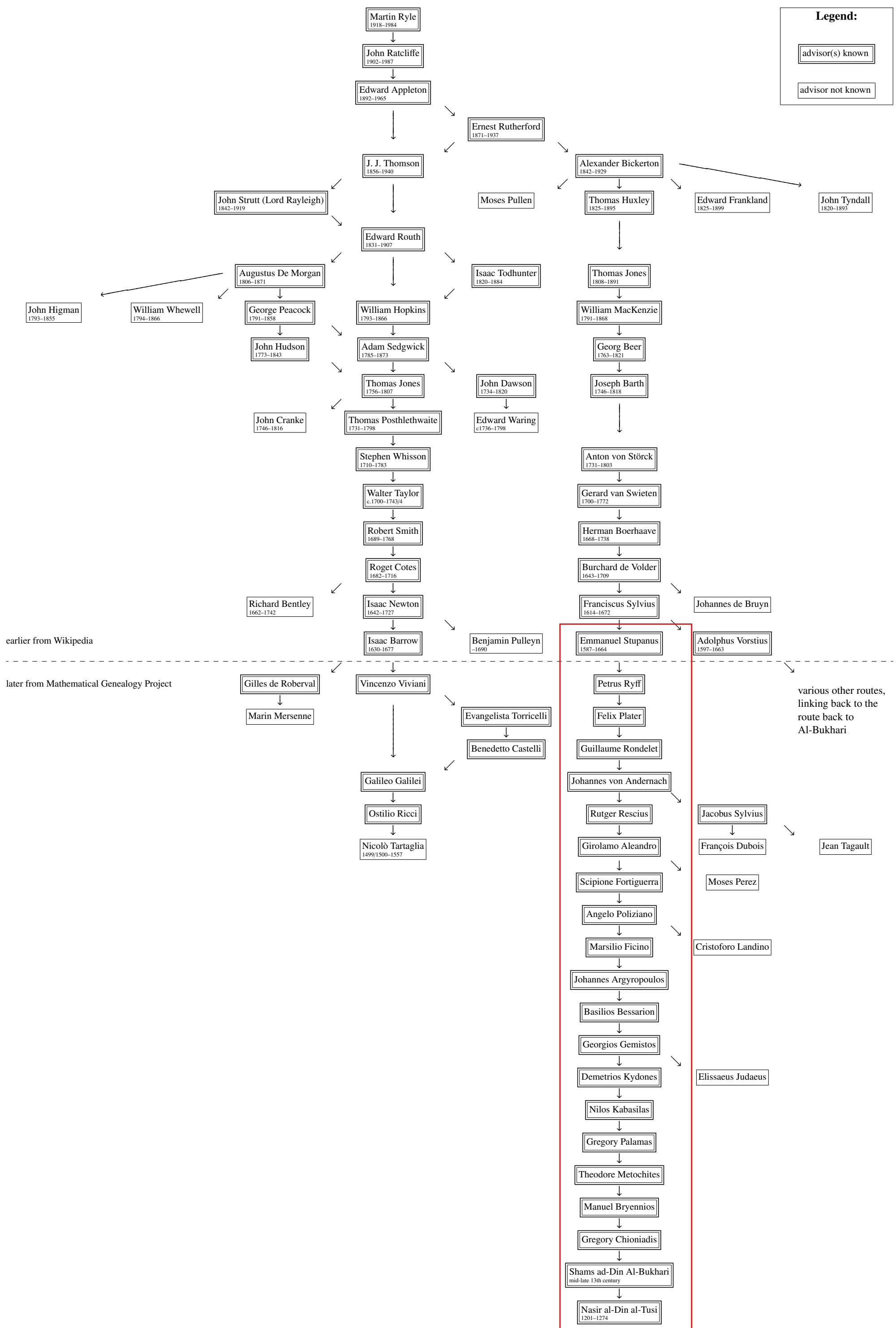
Demetrios Chalcocondyles⁽²⁷⁾
Theodoros Gazes^[m]

Philipp Melanchthon⁽²⁸⁾
Johannes Stöffler; Johann Reuchlin (Johannes Kapnion)^[r]
Unknown

Gemma Frisius (Jemme Reinerszoon)⁽²⁹⁾
Petrus Curtius (Pieter de Corte)
Maarten van Dorp (Martinus Dorpius)
Leo Outers (1485)
Unknown







UČENICI I NASLEDNICI MIHAILA PETROVIĆA

Name	School	Year	Descendants
Berić, Mladen	University of Belgrade	1912	
Marković, Sima	University of Belgrade	1913	
Pejović, Tadija	University of Belgrade	1923	176
Kašanin, Radivoj	University of Belgrade	1924	16
Karamata, Jovan	University of Belgrade	1926	420
Radojčić, Miloš	University of Belgrade	1928	
Mitrinović, Dragoslav	University of Belgrade	1933	120
Mihnjević, Danilo	University of Belgrade	1934	
Orlov, Konstantin	University of Belgrade	1934	76
Marković, Dragoljub	University of Belgrade	1938	1

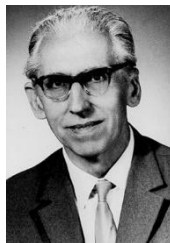
According to MGP on-line database, Mihailo Petrović has 10 students and 817 descendants.

Mladen Berić (1885-1935). Vanr. prof. BU 1919. Bio je rukovodilac Opšte državne statistike. Godine 1921. napušta univerzitet, posle čega se više nije bavio matematikom.



Sima Marković (1888-1939). Maturirao i doktorirao kod M. Petrovića. Profesor Druge b.g., docent BU. Sekretar CK KPJ, vođa desne frakcije. Stradao u Staljinovim čistkama. Rehabilitovan 1958.

Danilo Mihnjević. Profesor gimnazije (Kragujevac, Zrenjanin do 1953)
[Danilo Mihnjević animator u Narodnom pozorištu „Toša Jovanović“ u Zrenjaninu]



Miloš Radojčić (1903-1975).
Prof. BU do 1959, Kartum do 1964, Pariz (Centre national de la recherche scientifique).



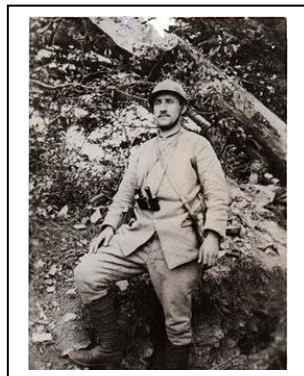
Dragoljub Marković (1903-1965). Redovni profesor BU, algebra, granice nula polinoma. Učenik: Jovan Petrić (1960)

Tadija Pejović (1892-1982)

Name	Year	Desc.
Dajović, Vojin	1956	23
Mihajlović, Dobrivoje	1956	
Stojanović, Rastko	1956	1
Stipanić, Ernest	1957	
Saki-Šnajder, Zagorka	1960	1
Bertolino, Milorad	1961	3
Okiljević, Blažo	1962	
Parezanović, Nedeljko	1962	9
Prešić, Slaviša	1963	86
Ivković, Zoran	1964	28
Marjanović, Milosav	1964	12
Popstojanović, Zoran	1964	
Todorović, Petar	1964	
Dacić, Rade	1965	
Dajović, Milica	1965	
Mihajlović, Borivoje	1965	
Đaja, Časlav	1967	

Vojin Dajović

Nikić, Miodrag
Mičić, Vladimir
Perović, Miodrag
Georgijević, Dušan
Jevtić, Mirosljub
Mateljević, Miodrag
Udovičić, Enes
Duborija, Stojan
Rajović, Miloje



Miodrag Mateljević

Marković, Vladimir
Kalaj, David
Manojlović, Vesna
Marković, Marijan
Knežević, Miljan

Nedeljko Parezanović

Stojković, Vojislav
Obradović, Ivan
Tuba, Milan 3
Vitas, Duško
Petrović, Sanja
Radenović, Davor

Slaviša Prešić

Gilezan, Koriolan
Ušan, Janez
Milić, Svetozar 39
Alimpić, Branka
Božović, Nataša
Mijajlović, Žarko 25
Vojvodić, Gradimir
Banković, Dragić
Miličić, Miloš
Božić, Milan
Boričić, Branislav
Tasić, Mile
Kapetanović, Miodrag
Dorđević, Zoran

Svetozar Milić

Stojaković, Zoran
Bogdanović, Stojan 20
Crvenković, Siniša
Šešelja, Branimir
Pavlović, Velimir
Blagojević, Dragan
Tepavčević, Andreja

Žarko Mijajlović

Jovanović, Aleksandar
Vujošević, Slobodan
Rašković, Miodrag
Živaljević, Rade
Grulović, Milan
Živković, Miodrag
Mosurović, Milenko
Janičić, Predrag
Bakić, Radoš
Malešević, Branko
Jokanović, Dušan
Vučković, Vesna

Zoran A. Ivković

Mališić, Jovan 16
Bulatović, Jelena
Janković, Slobodan
Pažanin, Ratomir
Rizvanoli, Fuat
Lučić, Blagota
Glišić, Zoran
Janković, Svetlana

Mitrović, Slobodanka
Pantić, Dražen
Obuljen, Viktor

Jovan D. Mališić

Đorić, Dragan
Jevremović, Vesna
Mladenović, Pavle
Poganj, Tibor
Popović, Biljana

Milosav Marjanović

Mišić, Miodrag
Drešević, Milan
Stanojević, Momir
Vučemilović, Ante
Milovančević, Dušan
Živaljević, Rade
Vrećica, Siniša
Bjelica, Momčilo

Radivoj Kašanin (1892-1989)

Name	Year	Desc.
Anđelić, Tatomir	1946	14
Đorđević, Radmilo	1963	

Tatomir Anđelić (1903-1993)

Mušicki, Đorđe
Leko, Marko
Komljenović, Stevo
Rusov, Lazar
Vujošević, Luka
Plavšić, Milan 4
Lukačević, Ilija 1
Jovanović, Božidar
Lukačević, Mirjana

Milan Plavšić

Gligorić, Milan
Golubović, Zoran
Milosavljević, Dragan
Šestak, Ivan

Ilija Lukačević

Radojević, Dragi



Jovan Karamata (1903-1967)

Name	Year	Desc.
Avakumović, Vojislav	1939	240
Tomić, Miodrag	1950	
Aljančić, Slobodan	1953	32
Bojanić, Ranko	1953	17 (Ohio State Univ.)
Vučković, Vladeta	1953	1
Stanković, Bogoljub	1954	66
Raljević, Sefkija	1955	
Bajsanski, Bogdan	1956	12 (Ohio State Univ.)
Steković, Milenko	1956	
Baumann, H. (U.Gen.)	1965	
Coifman, Ronald (UG)	1965	108 (Yale etc)
Vuilleumier, Monique(UG)	1965	



Vojislav Gregor Avakumović

Stanković, Bogoljub	66
Maravić, Manojlo	6
Eberhard, Walter (Aachen)	16
Neunzert, Helmut (Aachen)	132
Gromes, Wolfgang (Marburg)	5
Bautsch, Peter (Marburg)	
Brüning, Jochen (Marburg)	7
Brübach, Rickleff (Marburg)	

Manojlo Maravić

Galić, Mihajlo
Finci, Kalmi A.
Šlaković, Semiha
Vuković, Mirjana

Slobodan Aljančić

Adamović, Dušan 15
Lazić, Milivoje
Hajduković, Dimitrije
Arandjelović, Dragoljub
Lazarević, Ilija
Ivović, Miodrag
Savić, Vladimir 1
Tasković, Milan 3
Berisha, Muharrem
Laković, Bosiljka
Janc, Mirko
Miloradović, Slobodan
Ostrogorski, Tatjana

Dušan Adamović

Malešević, Jovan
Baković, Vlado
Dimitrijević, Radoslav
Jelić, Milena 1
Mršević, Mila 1
Žižović, Mališa
Janković, Dragan
Predić, Bogoljub
Zougani, Hassan
Petričević, Zlata

Stevanović, Milorad
Simić, Slavko
Stević, Stevo 1

Bogoljub Stanković

Skendžić, Marija
Hadžić, Olga 4
Nikolić-Despotović, Danica
Pap, Endre 8
Eid Sharkavi, Ibrahim
Pilipović, Stevan 39
Takači, Arpad 1
Despotović, Radivoje
Takači, Đurđica 5

Stevan Pilipović

Lozanov Crvenković,
Zagorka
Stojanović, Mirjana
Perišić, Dušanka
Nedeljkov, Marko 5
Mijatović, Milorad
Kravarušić, Ratko
Buchkovska, Aneta
Teofanov, Nenad 2

Vidanović, Mirjana
Kostić, Marko 1
Nastovski, Ljupco
Milenković, Olivera
Seleši, Dora 1
Saneva, Katerina
Aleksić, Jelena 1
Dolićanin, Diana
Irićanin, Bratislav
Reckovski, Vasko
Sarić, Branko
Zorica, Dusan
Janev, Marko
Simić, Suzana
Prangoski, Bojan 1
Kostadinova, Sanja
Velinov, Daniel
Žigić, Milica
Dimovski, Pavel
Jakšić, Smiljana
Maksimović, Snježana
Sokoloski, Petar

Dragoslav Mitrinović (1908-1995)

Name	Year	Desc.
Popov, Blagoj	1952	
Bandić, Ivan	1958	
Karadžić, Lazar	1958	
Đoković, Dragomir	1963	10 Waterloo
Milosević-Rakočević, Kovina		
Perčinkova, Danica	1963	
Vasić, Petar	1963	29
Šapkarev, Ilija	1964	
Penavin, Velimir	1965	
Đorđević, Radosav	1966	
Dimitrovski, Dragan	1968	
Janić, Radovan	1968	
Jovanović, Savo	1968	
Kečkić, Jovan	1970	
Cvetković, Dragoš	1971	11
Stamate, Ionel	1971	
Tošić, Živko	1971	
Madevski, Živko	1973	
Lacković, Ivan	1975	2
Slavić, Dušan	1975	
Stanković, Ljubomir	1975	
Zarić, Budimir	1975	
Milovanović, Gradimir	1976	31

Mitrović, Žarko	1976
Dehiri, Ismet	1977
Lazov, Petar	1977
Đorđević, Lazar	1978
Stanković, Miomir	1979
Azanjac, Nikola	1980
Milovanović, Igor	1980 1
Petković, Miodrag	1980 3
Kocić, Vlajko	1981
Mesihović, Behdžet	1987



Petar Vasić

Pečarić, Josip 28

Dragoš Cvetković

Gutman, Ivan 1
Simić, Slobodan 1
Stevanović, Dragan 6

Ivan Lacković

Kocić, Ljubiša 1

Gradimir V. Milovanovic

Petković, Ljiljana
Kovacević, Milan
Đorđević, Gospava
Čakić, Nenad
Stanimirović, Predrag 12
Đorđević, Đorđe
Spalević, Miodrag 3
Petković, Dojčin
Rajković, Predrag 1
Cvetković, Aleksandar
Stanić, Marija 2
Udovičić, Zlatko
Matejić, Marjan

Predrag Stanimirović

Stojković, Nebojša
Tasić, Milan 2
Krtolica, Predrag
Petković, Marko 1
Miladinović, Marko
Miljković, Slađana
Saračević, Muzafer
Stojanović, Igor
Petrović, Milena

Miodrag M. Spalević

Pranić, Miroslav
Pejčev, Aleksandar 1

Marija Stanić

Milovanović, Marina
Tomović, Tatjana

Igor Milovanović

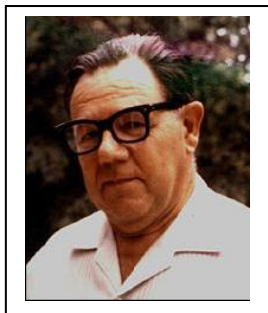
Ranđelović, Branislav

Miodrag Petković

Tričković, Slobodan
Herceg, Đorđe
Džunić, Jovana

Konstantin Orlov (1907-1985)

Name	Year	Desc.
Madić, Petar	1965	
Uščumlić, Momčilo	1965	
Arsenović, Mihail	1972	
Stojanović, Miroslava	1973	
Wotulo, Max	1973	
Jovanović, Boško	1976	62
Zolić, Arif	1977	
Protić, Ljubomir	1978	5
Savić, Branko	1978	



Boško S. Jovanović

Radunović, Desanka
Süli, Endre 48
Čelić, Momir
Dražić, Milan 1
Popović, Branislav
Bojović, Dejan 1
Gegovska-Zajkova, Sonja
Boljanović, Slobodanka
Dotlić, Milan
Milovanović, Zorica
Delić, Aleksandra
Hodžić, Sandra

Endre Süli

Wu, Wei
Ware, Antony 2
Hill, Adrian 1
Baker, Mark
Wood, Jeffrey
Houston, Paul 2
Wilkins, Catherine
Jackson, Nicolas
Cheng, Kan
Harriman, Kathryn

Pham, Minh
Georgoulis, Emmanuil 15
Robson, Janice
Cangiani, Andrea 5
Jensen, Max 1
Lasis, Andris
Ortner, Christoph 6
Knezevic, David
Arranz Carreno,
Burke, Siobhan
Figueroa, Leonardo
Langwallner, Bernhard
Wang, Hao
Smears, Iain
Baird, Graham

Antony Frank Ware

Dmitrasinovic-Vidovic, Gordana
(Calgary), 2004
Li, Hua (Calgary), 2006

Milan Dražić

Mihić, Ljubica

Dejan Bojović

Sredojević, Bratislav

Ljubomir Protić

Tošić, Dušan 4
[Stefanovska, Liljana]

Dušan Tošić

Kratica, Jozef 2
Marić, Miroslav

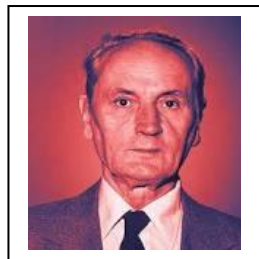
INDIREKTNE VEZE

Đuro Kurepa (1907-1993)

Ph.D. Université Paris IV-Sorbonne 1935
Dissertation: Ensembles ordonnés et ramifiés

Advisor: René Maurice Fréchet

Jacques Salomon Hadamard
Charles Émile Picard and Jules Tannery



Učenici Đure Kurepe (26 / 146):

Name	Year	Desc.
Radić, Mirko	1965	1
Ugrin-Šparac, Dimitrije	1965	17
Perić, Veselin	1966	6
Simeunović, Dragomir	1969	
Stojanović, Stevan	1969	6
Čirić, Ljubomir	1970	1
Miličić, Pavle	1970	7
Mirković, Branislav	1970	28
Ukšanović, Jovan	1970	
Prešić, Marica	1972	4
Vulićević, Branko	1973	

Ivić, Aleksandar	1975	
Živanović, Žarko	1975	
Šami, Zoran	1978	
Tošić, Ratko	1978	13
Kovačević, Ilija	1979	
Šćepanović, Radoje	1979	
Todorčević, Stevo	1979	32
Ašić, Miroslav	1980	
Đuranović-Miličić, Nada	1980	
Čirić, Dušan	1981	
Kalajdžić, Gojko	1982	
Kočinac, Ljubiša	1983	1
Alagić, Mara	1985	
Lipkovski, Aleksandar	1985	
Dugošija, Đorđe	1986	5

Stevan Stojanović

Banjević, Dragan 1
Peruničić, Predrag
Janković, Slobodanka 1

Ljubomir Ćirić

Ivan, Arandjelović

Pavle Miličić

Torgašev, Aleksandar 3
Pavlović, Miroslav
Pevac, Lazar
Malcheski, Risto

Branislav Mirković

Radenović, Stojan
Kadelburg, Zoran 2
Lažetić, Nebojša
Čukić, Ljubomir
Dostanić, Milutin 3
Rakočević, Vladimir 17

Marica Prešić

Hotomski, Petar
Pevac, Irena
Martinović, Miroslav
Vitas, Duško

Ratko Tošić

Acketa, Dragan 1
Petrović, Vojislav 1
Doroslovački, Rade
Bodroža-Pantić, Olga
Mašulović, Dragan 2
Pantović, Jovanka 1
Andrić, Vojislav
Marković, Đoko

Đorđe Dugošija

Jovanović, Milan
Krnić, Izedin
Zečević, Aleksandar
Stanić, Zoran
Stanimirović, Zorica

Stevo Todorčević

Bekkali, Mohamed 5
Farah, Ilijas 5
Hirschorn, James
Moore, Justin 3
Vuksanovic, Vojkan
Levy, Julian
Nguyen Van Thé, Lionel
Da Silva Pereira, Luis Miguel
Brecht, Christina
Torres-Pérez, Victor
Martinez-Ranero, Carlos
Sokic, Miodrag
Jasinski, Jakub
Vlitas, Dimitris
Bartosova, Dana
Peng, Yinhe
Brotsky, Ari
Pawliuk, Michael
Pina, Claribet

Ljubiša D.R. Kočinac

Babinkostova, Liljana

MIHAILO PETROVIĆ I PRIMENJENA MATEMATIKA

diferencijalne jednačine teorija aproksimacija numerička analiza klasična mehanika	}	primenjena analiza
---	---	--------------------

verovatnoća i statistika
industrijska matematika
finansijska matematika
matematička ekonomija
teorija igara
aktuarstvo
optimizacija
operaciona istraživanja

matematičko modeliranje
matematička fizika
biomatematika
teorija informacija
teorija grafova
kriptografija
računarstvo
naučna izračunavanja, ...

Hidrointegrator – zlatna medalja na Svetskoj izložbi u Parizu 1900.

Veći broj pronalazaka – 10 патената (Francuska, Velika Britanija).

Kriptografija – njegovi šifarski sistemi su korišćeni u vojsci do II svetskog rata.

TADIJA PEJOVIĆ

Disertacija: *Novi slučajevi integrabiliteta jedne važne diferencijalne jednačine prvog reda*

Oblast naučnog rada: Diferencijalne jednačine

Bio mentor 17 doktoranada za 11 godina

Učenici se bavili: diferencijalnim jednačinama, kompleksnim funkcijama, algebrom, teorijom verovatnoće, računarstvom, mehanikom

RADIVOJ KAŠANIN

Disertacija: *O analitičkim oblicima multiformnih funkcija*

Oblasti naučnog rada: Teorija funkcija, diferencijalne jednačine, mehanika, astronomija, geofizika (s akademikom Pavlom Savićem).

Učenici se bavili: mehanikom

JOVAN KARAMATA

Disertacija: *O jednoj vrsti granica sličnih određenim integralima*

Oblast naučnog rada: Teorija funkcija

DRAGOSLAV MITRINOVIĆ

Disertacija: *Istraživanja o jednoj važnoj diferencijalnoj jednačini prvog reda*

Oblasti naučnog rada: Diferencijalne jednačine (dopune Kamkeove knjige), nejednakosti, funkcionalne jednačine, teorija brojeva, specijalne funkcije, kompleksna analiza

Bio mentor 33 doktoranda tokom 35 godina

Učenici:

Dragoš Cvetković, teorija grafova

Gradimir Milovanović, ortogonalni polinomi, kvadrature formule, teorija aproksimacija

Miodrag Petković, nelinearne jednačine i sistemi

Petar Vasić / Josip Pečarić, nejednakosti

KONSTANTIN ORLOV

Disertacija: *Aritmetičke i analitičke primene matematičkih spektara*

Oblast naučnog rada: Diferencijalne jednačine, numerička matematika

Bio mentor 9 doktoranada za 13 godina

Učenici se bavili: diferencijalnim jednačinama, numeričkom matematikom, računarstvom, teorijom optimizacije.

Pronalasci:

Matematička vaga: patentirana u Jugoslaviji, Belgiji, Engleskoj, Francuskoj, Italiji, SAD i Indiji; zlatna medalja na X internacionalnoj izložbi pronalazaka u Briselu 1961; diploma Italijanskog udruženja pronalazača.

Anulaciona računaljka: purpurna (zlatno-srebrna) medalja na XI internacionalnoj izložbi pronalazaka u Briselu 1962.

MATEMATIČKI SPEKTRI

M. Petrović, *Les spectres numériques*, Gauthier-Villars, Paris 1919.

Pseudospektri, matematički akordi, modifikovani pseudospektri. Primena.

$$a = a_n \dots a_1, \quad b = b_n \dots b_1, \quad \dots, \quad c = c_n \dots c_1, \quad a_i, b_j, \dots, c_k \in \{0, 1, 2, \dots, 9\}$$

$$\begin{aligned} S &= c_n \dots c_1 | \dots | \underbrace{0 \dots 0}_k b_n \dots b_1 | \underbrace{0 \dots 0}_k a_n \dots a_1 \\ &= c_n \dots c_1 \dots 0 \dots 0 b_n \dots b_1 0 \dots 0 a_n \dots a_1 \end{aligned}$$

Primer (A. Zolić, *K.P. Orlov*, Spomenica 125 godina Matematičkog fakulteta):

$$P_1(x) = 46x^2 - 54x + 48, \quad P_2(x) = 26x^2 + 21x - 23$$

$$P_1(x) \rightarrow S_1 = 45|9946|0048, \quad P_2(x) \rightarrow S_2 = 26|0020|9977$$

$$S = S_1 S_2 = 1195|9561|9056|2249|8896$$

$$\Rightarrow P(x) = P_1(x)P_2(x) = 1196x^4 - 438x^3 - 944x^2 + 2250x - 1104$$

MODIFIKOVANA PIKAROVA METODA

$$y' = f(x, y), \quad y(x_0) = y_0$$

$$y_n(x) = y_0 + \int_{x_0}^x f(t, y_{n-1}(t)) dt, \quad n = 1, 2, \dots; \quad y_0(x) = y_0$$

$$y_n^*(x) = y_0 + \int_{x_0}^x \overline{f(t, y_{n-1}^*(t))}^n dt, \quad n = 1, 2, \dots; \quad y_0^*(x) = y_0$$

METODA OSTATAKA

$$y' = f(x, y), \quad y(x_0) = y_0$$

$$y(x) = \sum_{i=0}^{\infty} a_i (x - x_0)^i, \quad a_0 = y_0$$

$$y_n(x) = \sum_{i=0}^n a_i (x - x_0)^i, \quad \delta_n(x) = f(x, y_n(x)) - y'_n(x)$$

$$a_i = \frac{1}{i!} \lim_{x \rightarrow x_0} \frac{\delta_{i-1}(x)}{(x - x_0)^{i-1}} = \frac{1}{i!} \lim_{x \rightarrow x_0} \delta_{i-1}^{(i-1)}(x)$$

$$\begin{aligned} 0 &= f(x, y(x)) - y'(x) = f(x, y_{i-1}(x) + a_i(x - x_0)^i + \dots) - (y_{i-1}(x) + a_i(x - x_0)^i + \dots)' \\ &= f(x, y_{i-1}(x)) + f_y(x, \eta_{i-1}(x)) [a_i(x - x_0)^i + \dots] - y'_{i-1}(x) - a_i i (x - x_0)^{i-1} - \dots \end{aligned}$$

$$a_i i (x - x_0)^{i-1} = \delta_{i-1}(x) + f_y(x, \eta_{i-1}(x)) [a_i(x - x_0)^i + \dots] - a_{i+1} (i+1) (x - x_0)^i - \dots$$



IF I HAVE SEEN FURTHER
STANDING ON THE SHOULDERS OF GIANTS

HVALA NA PAŽNJI