



## Alphabetical Index

- Abdoul Salam  
 Diallo, 283
- Aboubakar  
 Maitournam,  
 651
- Aboubakary  
 Diakhaby, 3, 75
- Affine connection,  
 283–285, 287
- Alassane Diedhiou,  
 343
- Alassane Sy, 487,  
 488, 523, 524
- Algebraic points of  
 given degree, 33
- Aliou Seck, 487,  
 488
- Alioune Coulibaly,  
 343
- Asymptotic Laws,  
 190, 195, 224,  
 230, 231
- Asymptotic  
 normality, 9,  
 57, 61, 69, 75,  
 76, 78, 163,  
 165, 222, 230
- asymptotic  
 normality, 9,  
 57, 61, 69, 75,
- 76, 78, 163,  
 165, 222, 230
- Asymptotic  
 Representation,  
 164, 169, 195,  
 199, 218
- averaging methods,  
 469–471
- Babou Khady  
 Thiam, 587
- cardioid  
 distribution,  
 45–47, 221, 222
- characterization,  
 45–48, 415
- Cherif Mamadou  
 Moctar Traoré,  
 221, 222
- Christophe  
 Diédhiou, 587
- circular  
 distribution, 45,  
 46
- conformal mapping,  
 295, 296
- conformal  
 mappings, 295,  
 296
- Consistency, 57, 58,  
 113, 197, 494
- Contentant, 24–26,  
 651
- Contenu, 24, 25,  
 29, 248, 651
- Convex and Closed  
 and Bounded  
 valued  
 Integrals, 6
- Crystals phononic  
 and photonic,  
 523
- de Rham's  
 cohomology  
 group, 275
- Diaraf Seck, 295,  
 487, 488, 559
- Egalité presque  
 partout, 651
- Egalité presque  
 sûre, 651
- Elhadji Ousseynou  
 Accrachi, 57
- Elliptic Curve  
 Cryptography,  
 615, 633

- EM algorithm, 141, 144, 145, 154, 155, 158
- Emmanuel Nicolas Cabral, 363
- Encoding, 615–639, 643, 644
- Ensembles, 651
- estimation of the regression, 6
- extensible currents, 275
- Fagueye Ndiaye, 295
- finite element method, 525, 542, 559, 560, 563, 587
- Floquet theory, 469–471, 474–476, 482, 484
- Fonction, 10, 11, 34, 35, 38, 39, 124, 164, 248–254
- Functional empirical process, 163, 170, 173, 175, 199, 200, 203, 205, 206, 218
- Functional Gaussian Process, 195
- Galaye Dia, 1, 2, 4–6, 8, 15, 21, 33, 45, 57, 75, 141, 163, 195, 221, 247, 257, 275, 283, 321, 343, 363, 387, 413, 437, 469, 487, 523, 559, 615
- Galois Inverse Theorem, 21
- Galois representations, 21
- Gane Samb Lo, 1, 3, 4, 12, 163, 195, 221, 222, 321, 387, 413, 437
- Gaston Berger of Saint-Louis, 1
- Gaussian Fields, 163–165, 195
- Gaussian processes and fields, 163
- General Poverty measures, 163
- Gini's index, 163, 166, 167
- half-space, 275
- Hartshorne's conjecture, 15
- Hashing, 615–617, 635–638
- homogenization, 343–345, 559, 561, 564, 587
- Hyperelliptic curves, 615–617, 619, 621, 629, 630, 632, 637, 644
- Ibrahima Faye, 523, 524, 559, 587
- Ibrahima Sane, 343
- Identité, 651
- Idrissa Ly, 295
- Integration theory, 247
- Inverse problems, 295
- Iterative algorithms, 257
- Jacobi operator, 283, 286, 288, 291, 292
- Jacobian, 33, 459–461, 463, 488, 495, 496, 615–617, 634, 635, 638
- linear system, 33, 471, 496
- locally compact space, 247
- Lois Chinwendu Okereke, 221, 222
- LSTA, 6, 10, 388, 414
- Mamadou Eramane Bodian, 275
- Mamadou Lamine Diagne, 469
- Mariama Ndiaye, 257, 487, 488
- Mbissane Ndiaye, 295
- Michel Seck, 615

Mohamed Cheikh Haidara, 195	Osserman manifold, 283, 284, 286, 287	Sémantique, 651
Mouhamad Mounirou Allaya, 141	Oumar Sall, 33	Sakhir Thiam, 6, 12
Mouhamadou A. M. T. Baldé, 559	Pape Djiby Mergane, 163, 195	Salomon Sambou, 275
Mouhamadou Baidy Dia, 523, 524	Parameter estimation, 57, 58, 143	Schemes, 15, 517, 635
Moumouni Diallo, 221, 222	PDE, 343, 344, 349, 360, 559, 587	shape optimization, 295, 296, 531
Moussa Fall, 33	PhD, 1, 340	Short term dynamical of dune, 559, 560, 587
Moustapha Sene, 257	Picard curve, 33	Short term dynamics of dunes, 559
Moving kernel, 75, 76, 78, 83	Pierre and Marie University, 6	Skew distribution, 45
MSc, 1	Poisson processes, 57–60, 65, 67, 68	SMC methods, 141, 145
Msc, 6, 11	Poverty aversion, 75, 76	Statistical estimation of decomposabil- ity, 195, 199
Nafissatou Diarra, 615	Poverty line, 75–77, 82, 113, 167, 168, 196, 199, 215, 216	Stochastic Volatility, 141, 142, 144, 158
Navier Stokes equations, 487, 488, 493	Pro and anti-poor growth, 163	switching system, 469, 470, 475–477, 479, 482
Nombre, 248, 251	projection method, 487, 488, 495–499, 506, 508, 517, 518	symmetric distribution, 45
Numerical method, 487–489, 495, 523, 524, 563, 564, 566, 588	Projective algebraic varieties, 15	Syntaxe, 651
operator decomposition, 487, 496	Radon measures, 247	Test of Wald, 57, 69, 70
optimal mass transport, 295, 296	rate of convergence, 113, 413, 416	Tewfik Sarib, 469
Order Statistics in Point Processes, 6	Riemann extension, 283, 286	Teylama Hervé Miabey, 15

Thierno	Uniform	Weak laws, 163, 322
Mohamadane	convergence,	welfare and
Mansour Sow,	75, 88, 357,	inequality
257	376	measure, 163
Topological	uniform mean	Welfare Axiomatic,
optimization,	square	195
518, 523–525,	consistency,	Welfare index, 195
531	113	
two scale	Uniformly monotone	
convergence,	Mapping, 257	Youssou Ciss, 75,
559, 587		113
Typha, 469–474,	Waly Ndiaye, 275	
479	Weak convergence,	Zakaria Baradine,
Uniform almost sure	171, 200, 247,	113
consistency,	321, 322, 326,	zeros of mappings,
113	339, 345, 350,	257
	360, 440	