

**LIST OF BOOKS, RESEARCH PAPERS  
AND OTHER PUBLICATIONS  
OF PROFESSOR ANDRZEJ LASOTA**

1. BOOKS

1. Andrzej Lasota, Michael C. Mackey, *Probabilistic Properties of Deterministic Systems*, Cambridge University Press 1985.
2. Andrzej Lasota, Michael C. Mackey *Chaos, Fractals and Noise*, Springer Verlag 1994.
3. Andrzej Lasota, *Dynamical Systems on Measures [Układy dynamiczne na miarach]*, Wydawnictwa Uniwersytetu Śląskiego, Katowice, 2008 (in Polish).

2. RESEARCH PAPERS

1. *Gwiazdzistość zbioru określoności funkcji uwikłanych*, Zeszyty Naukowe Uniwersytetu Jagiellońskiego, Matematyka-Fizyka-Chemia 1 (1955), 25–29.
2. *Sur une généralisation d'un problème de Z. Szymdyt concernant l'équation  $u_{xy} = f(x, y, u, u_x, u_y)$* , Bulletin de l'Académie Polonaise de Sciences Cl. III 5 (1957), 15–18.
3. *Sur un nouveau problème aux limites relatif à l'équation de la corde vibrante*, Bulletin de l'Académie Polonaise de Sciences Cl.III 5 (1957), 843–846.
4. *Sur l'effet épidermique extérieur et intérieur pour les inégalités différentielles ordinaires*, Annales Polonici Mathematici 6 (1959), 259–264.
5. *Sur l'existence et l'unicité des solutions d'un problème de Mlle Z. Szymdyt relatif à l'équation de la corde vibrante en fonction de la position du point initial*, Annales Polonici Mathematici 9 (1960), 49–53.
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9. *Sur un problème d'interpolation pour l'équation différentielle ordinaire d'ordre  $n$*  (joint work with Z. Opial), Bulletin de l'Académie Polonaise des Sciences, Série des Sciences Mathématiques, Astronomiques et Physiques 9 (1961), 667–671.

10. *Sur la relation entre le problème de Goursat, le problème de Cauchy et le problème mixte pour l'équation de la corde vibrante*, Annales Polonici Mathematici, 12 (1962), 175–183.
11. *Sur l'existence des solutions d'un problème d'interpolation pour l'équation différentielle ordinaires d'ordre  $n$* , Bulletin de l'Académie Polonaise des Sciences, Série des Sciences Mathématiques, Astronomiques et Physiques 10 (1962), 523–528.
12. *Sur les problèmes linéaires aux limites pour un système d'équations différentielles ordinaires*, Bulletin de l'Académie Polonaise des Sciences, Série des Sciences Mathématiques, Astronomiques et Physiques 10 (1962), 565–570.
13. *L'application du principe de Pontriagin à l'évaluation de l'intervalle d'existence et d'unicité des solutions d'un problème aux limites* (joint work with Z. Opial), Bulletin de l'Académie Polonaise des Sciences, Série des Sciences Mathématiques, Astronomiques et Physiques 11 (1963), 41–46.
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19. *L'existence et l'unicité des solutions du problème d'interpolation pour l'équation différentielle ordinaire d'ordre  $n$*  (joint work with Z. Opial), Annales Polonici Mathematici 15 (1964), 253–271.
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28. *Sur les solutions périodiques d'une équation différentielle ordinaire d'ordre  $n$*  (joint work with F. H. Szafraniec), Annales Polonici Mathematici 18 (1966), 339–344.
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35. *A note on the uniqueness of two point boundary value problems I* (joint work with M. Łuczyński), Zeszyty Naukowe Uniwersytetu Jagiellońskiego, Prace Matematyczne 12 (1968), 27–29.
36. *Contingent equations and boundary value problems*, C.I.M.E., Varese, 1967, 257–266.
37. *Applications of the differential equations with distributional coefficients to the optimal control theory* (joint work with F. H. Szafraniec), Zeszyty Naukowe Uniwersytetu Jagiellońskiego, Prace Matematyczne 12 (1968), 31–37.
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45. *An axiomatic approach to the problem of the closedness of the set of trajectories in the control theory* (joint work with F. H. Szafraniec), Bulletin de l'Académie Polonaise des Sciences, Série des Sciences Mathématiques, Astronomiques et Physiques 17 (1969), 733–738.
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## 3. OTHER PUBLICATIONS

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