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Autore	Lannoo Michael J
Titolo	Malformed frogs : the collapse of aquatic ecosystems / / Michael Lannoo
Pubbl/distr/stampa	Berkeley, : University of California Press, c2008
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Edizione	[1st ed.]
Descrizione fisica	1 online resource (294 p.)
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Soggetti	Frogs - Abnormalities Frogs - Research
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. 217-264) and index.
Nota di contenuto	Frontmatter -- Contents -- Preface -- Acknowledgments -- Introduction -- 1. What is an Amphibian Malformation? -- 2. Malformed Frog Types -- 3. Hotspots -- 4. Causes -- 5. Resolutions -- 6. Human Malformations and Causes -- 7. Solutions -- Species Affected -- Notes -- Index
Sommario/riassunto	The widespread appearance of frogs with deformed bodies has generated much press coverage over the past decade. Frogs with extra limbs or digits, missing limbs or digits, or misaligned appendages raise an alarming question: "Are deformed humans next?" Taking a fresh look at this disturbing environmental problem, this reference provides a balanced overview of the science behind the malformed frog phenomenon. Bringing together data from ecology, parasitology, and other disciplines, Michael Lannoo considers the possible causes of these deformities, tells which frogs have been affected, and addresses questions about what these malformations might mean to human populations. Featuring high-quality radiographic images, Malformed

Frogs suggests that our focus should be on finding practical solutions, a key component of which will be controlling chemical, nutrient, and pesticide runoff into wetlands.

2. Record Nr.	UNINA9911150456803321
Autore	Gal Sorin G. <1953->
Titolo	Approximation by complex Bernstein and convolution type operators / / Sorin G. Gal
Pubbl/distr/stampa	Singapore ; ; Hackensack, N.J., : World Scientific, c2009
ISBN	9786612761386 9781282761384 1282761382 9789814282437 981428243X
Edizione	[1st ed.]
Descrizione fisica	1 online resource (350 p.)
Collana	Series on concrete and applicable mathematics, , 1793-1142 ; ; v. 8
Disciplina	511/.4
Soggetti	Approximation theory Operator theory Bernstein polynomials Convolutions (Mathematics)
Lingua di pubblicazione	Inglese
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. 327-336) and index.
Nota di contenuto	Contents; Preface; 1. Bernstein-Type Operators of One Complex Variable; 1.0 Auxiliary Results in Complex Analysis; 1.1 Bernstein Polynomials; 1.1.1 Bernstein Polynomials on Compact Disks; 1.1.2 Bernstein-Faber Polynomials on Compact Sets; 1.2 Iterates of Bernstein Polynomials; 1.3 Generalized Voronovskaja Theorems for Bernstein Polynomials; 1.4 Butzer's Linear Combination of Bernstein Polynomials; 1.5 q-Bernstein Polynomials; 1.6 Bernstein-Stancu Polynomials; 1.7 Bernstein-Kantorovich Type Polynomials; 1.8 Favard-Szasz-Mirakjan Operators; 1.9 Baskakov Operators 1.10 Balazs-Szabados Operators1.11 Bibliographical Notes and Open Problems; 2. Bernstein-Type Operators of Several Complex Variables;

2.1 Introduction; 2.2 Bernstein Polynomials; 2.3 Favard-Szasz-Mirakjan Operators; 2.4 Baskakov Operators; 2.5 Bibliographical Notes and Open Problems; 3. Complex Convolutions; 3.1 Linear Polynomial Convolutions; 3.2 Linear Non-Polynomial Convolutions; 3.2.1 Picard, Poisson-Cauchy and Gauss-Weierstrass Complex Convolutions; 3.2.2 Complex q -Picard and q -Gauss-Weierstrass Singular Integrals; 3.2.3 Post-Widder Complex Convolution; 3.2.4 Rotation-Invariant Complex Convolutions; 3.2.5 Sikkema Complex Convolutions; 3.3 Nonlinear Complex Convolutions; 3.4 Bibliographical Notes and Open Problems; 4. Appendix : Related Topics; 4.1 Bernstein Polynomials of Quaternion Variable; 4.2 Approximation of Vector-Valued Functions; 4.2.1 Real Variable Case; 4.2.2 Complex Variable Case; 4.3 Strong Approximation by Complex Taylor Series; 4.4 Bibliographical Notes and Open Problems; Bibliography; Index

Sommario/riassunto

The monograph, as its first main goal, aims to study the overconvergence phenomenon of important classes of Bernstein-type operators of one or several complex variables, that is, to extend their quantitative convergence properties to larger sets in the complex plane rather than the real intervals. The operators studied are of the following types: Bernstein, Bernstein-Faber, Bernstein-Butzer, q -Bernstein, Bernstein-Stancu, Bernstein-Kantorovich, Favard-Szasz-Mirakjan, Baskakov and Balazs-Szabados. The second main objective is to provide a study of the approximation and geometric proper