

数理解析研究所講究録 1579

RIMS 共同研究

幾何学的単葉関数論の研究

京都大学数理解析研究所

2008年2月

*RIMS Kôkyûroku 1579*

*Study on Geometric Univalent Function Theory*

*February, 2008*

*Research Institute for Mathematical Sciences*

*Kyoto University, Kyoto, Japan*

This is a report of research done at Research Institute for Mathematical Sciences, Kyoto University. The papers contained herein are in final form and will not be submitted for publication elsewhere.

幾何学的単葉関数論の研究  
 Study on Geometric Univalent Function Theory  
 RIMS 共同研究報告集

2007年5月16日～5月18日  
 研究代表者 尾和 重義 (Shigeyoshi Owa)

目 次

1.	A CLASS OF DOUBLE SUBORDINATION-PRESERVING INTEGRAL OPERATORS FOR MULTIVALENT FUNCTIONS -----	1
	Pukyong National U. <span style="float: right;">Nak Eun Cho</span> 近畿大・理工(Kinki U.) <span style="float: right;">尾和 重義(Shigeyoshi Owa)</span>	
2.	Coefficient conditions for certain univalent functions -----	17
	近畿大・理工(Kinki U.) <span style="float: right;">早味 俊夫(Toshio Hayami)</span> " <span style="float: right;">尾和 重義(Shigeyoshi Owa)</span>	
3.	Some subordination criteria for analytic functions -----	25
	近畿大・理工(Kinki U.) <span style="float: right;">黒木 和雄(Kazuo Kuroki)</span> " <span style="float: right;">尾和 重義(Shigeyoshi Owa)</span>	
4.	CERTAIN SUBCLASSES OF MULTIVALENT FUNCTIONS -----	37
	Kyungsung U. <span style="float: right;">Oh Sang Kwon</span> " <span style="float: right;">Byung Gu Park</span>	
5.	N-Fractional Calculus of Some Algebraic Functions -----	50
	阪大・情報科学(Osaka U.) <span style="float: right;">都田 艶子(Tsuyako Miyakoda)</span>	
6.	N-Fractional Calculus of Some Functions Which Include A Root Sign -----	66
	デカルト出版(Descartes Press Co.) <span style="float: right;">西本 勝之(Katsuyuki Nishimoto)</span>	
7.	N-Fractional Calculus of Some Multi-Powers Functions -----	79
	デカルト出版(Descartes Press Co.) <span style="float: right;">西本 勝之(Katsuyuki Nishimoto)</span>	
8.	Convolutions and Hölder inequality for certain analytic functions -----	88
	近畿大・理工(Kinki U.) <span style="float: right;">西脇 純一(Junichi Nishiwaki)</span> " <span style="float: right;">尾和 重義(Shigeyoshi Owa)</span> U. Victoria <span style="float: right;">H. M. Srivastava</span>	
9.	On two sufficient conditions for univalence of real coefficient functions -----	98
	群馬大・名誉教授(Gunma U.) <span style="float: right;">布川 護(Mamoru Nunokawa)</span>	
10.	Geometric properties of certain analytic functions with real coefficients -----	101
	群馬工業高専(Gunma Nat. Coll. Tech.) <span style="float: right;">斎藤 斉(Hitoshi Saitoh)</span>	
11.	A NOTE ON GAMMA FUNCTIONS -----	110
	茨城大・理(Ibaraki U.) <span style="float: right;">高野 勝男(Katsuo Takano)</span>	