Separable Low condi					rate	contactioning						Multimodal with global structure					Multimodal with weak global structure										
F_1	F_2	F_3	F_4	F_5	F_6	F_7	F_8	F_9	F_{10}	F_{11}	F_{12}	F_{13}		F_{15}	F_{16}	F_{17}	F_{18}	F_{19}	F_{20}		F_{22}	F_{23}	F_{24}	-			
F_1	F_2	F_{56}		F_{58}	F_3		F_4					F_5	F_6	F_7		F_8			F_9	F_{10}				F_1			
	F_{11}	F_{59}		F_{61}	F_{12}		F_{13}					F_{14}	F_{15}	F_{16}		F_{17}			F_{18}	F_{19}				F_2	Separable		
			F_{62}	F_{63}																Ш				F_3			
				F_{64}									Ш							Ш	Ш			F_4			
																								F_5			
F_{20} F_{65} F_{23}					F_{21}	F_{66}				F_{22}	F_{23}	F_{24}		F_{25}			F_{26}	F_{27}				F_6					
						F_{67}	F_{68}																F_7	Low or moderate conditioning			
						F_{28}	F_{69}				F_{29}	F_{30}	F_{31}		F_{32}			F_{33}	F_{34}				F_8				
											F_9	F_9															
									F_{70}	F_{71}	F_{72}	F_{73}											F_{10}				
									F_{74}	F_{75}	F_{76}											F_{11}	High				
										F_{77}	F_{78}											F_{12}	conditioning and				
						F_{35} F_{36}						F_{37}		F_{38}			F_{39}	F_{40}				F_{13}	unimodal				
f_1 Sphere						F_{41}						F_{42}		F_{43}			F_{44}	F_{45}				F_{14}					
f_2 Ellipsoid separable f_3 Rastrigin separable							F_{46}								F_{47}	F_{79}	F_{80}	F_{48}	F_{49}				F_{15}				
f_4 Skew Rastrigin-Bueche																									F_{16}		
f_5 Linear slope								f_{15} Rastrigin								F_{50}	F_{81}	F_{82}	F_{51}	F_{52}				F_{17}	with global		
f ₆ Attractive sector							f_{16} Weierstrass										F_{83}						F_{18}	structure 8			
f_7 Step-ellipsoid f_8 Rosenbrock original								f_{17} Schaffer F7 (condition 10) f_{18} Schaffer F7 (condition 1000)							o)									F_{19}			
f_9 Rosenbrock rotated								f_{19} Griewank-Rosenbrock F8F2											F_{53}	F_{54}	F_{84}	F_{85}	F_{86}	F_{20}			
f_{10} Ellipsoid							f_{20} Schwefel x*sin(x)											F_{55}	F_{87}	$\overline{F_{88}}$	F_{89}	F_{21}	Multimodal				
f_{11} Discus							f_{21} Gallagher 101 peaks														F_{90}	F_{91}	Hoo	with weak global			
$egin{aligned} f_{12} & Bent \ cigar \ f_{13} & Sharp \ ridge \end{aligned}$							f_{22} Gallagher 21 peaks f_{23} Katsuuras								F_{92}					F_{92}	F_{23}	_					
f_{14} Sum of different powers							f_{24} Lunacek bi-Rastrigin								F_{24}												