20 subregions with different types of solution

$$\gamma \sim \nu$$
$$\beta \sim r$$
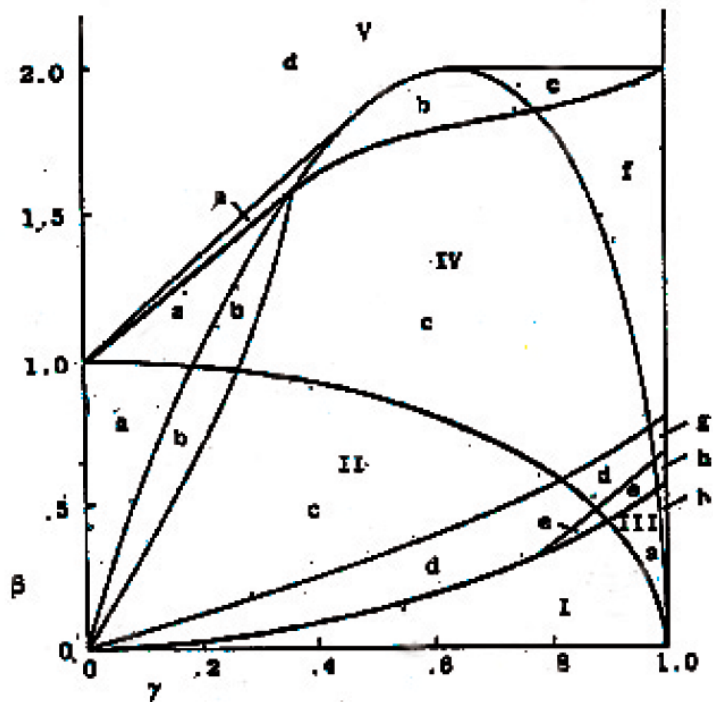

FIGURE 5.1. Definitions of Subregions

DISTRIBUTION OF EXCEPTIONAL LINES

Region	Sub-region	Exceptional Lines Present in Each Subregion											
		β	UL	PDL_y	PDL	EDL_a	EDL_c	$1D^+$	$1D^-$	EL	SL	SE	FL
I		x	x										
II	a	x	x	x					x			x	
	b	x	x	x					x	x	x		
	c	x	x	x					x	x			
	d	x	x	x					x	x		x	
	e	x	x	x					x	x		x	x
III	a	x	x			x		x					
	b	x	x				x	x					
IV	a		x	x	x			x	x			x	
	b		x	x	x			x	x	x	x		
	c		x	x	x	x		x	x	x			
	d		x	x	x	x		x	x	x		x	
	e		x	x	x	x		x	x	x		x	x
	f		x	x	x		x	x	x	x			
	g		x	x	x		x	x	x	x		x	
	h		x	x	x		x	x	x	x		x	x
V	a		x	x					x				
	b		x	x		x			x				
	c		x	x			x		x				
	d		x	x									