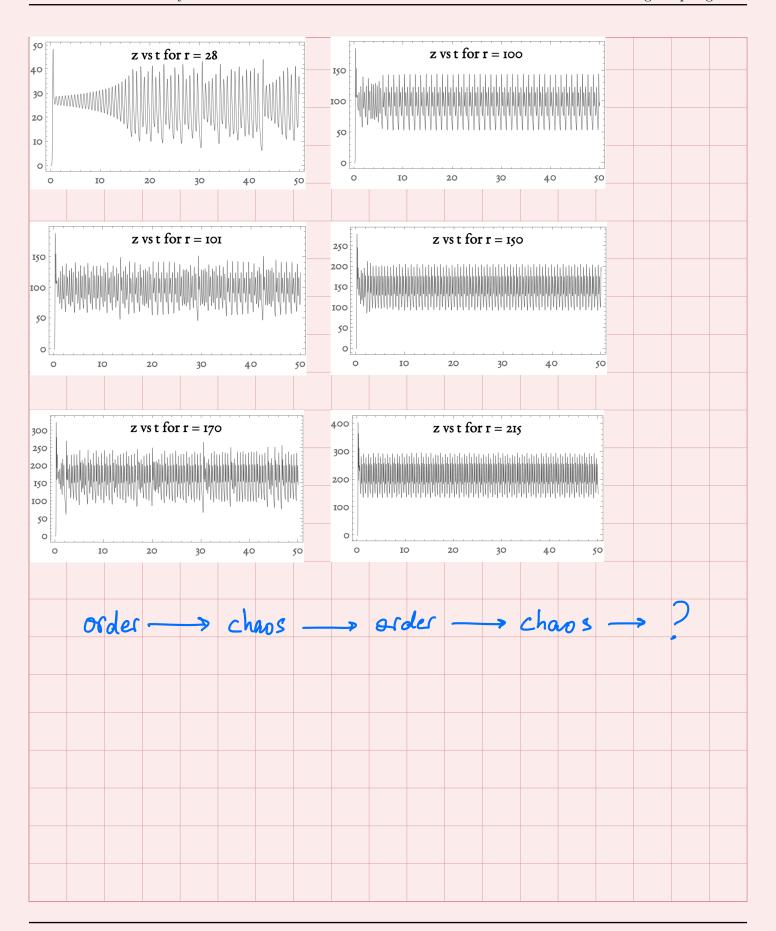
					Mo	n, A	pr 7	Lec	cture	19							
Tim	e	Hari	Zo	ก	of		Preo	licti	Bn	in		sys	lems	;	wit	H	
	nsifir											-					
				1				,	•				<i>X</i> (0	<i>O</i> , 11 (
II a	S(x)	\			(11	λ	t		L	. 1				-1		
() (F)	~	ا ر	00	<u> </u>	٤				_				ster		
											λ	, 0	.9	U	vhe	1	
													0=	10, 6	= 8	\f =	28
find		ime	f	P	ak	C	whic	h	hi	0	'nıł	hall	ч	ne	arbi	, ((,)
find traje	cho	0 6	ha.	صر	ران کان	ያጊ የ	e d	h	,	AA.qu	~	f	don.				
Trug's	-C(W)	دع	···	٠.	Oli '	J	-0.			. 404	_		1001		•		
			((П	71	L 44											
(6 5))	18	0	e												
\Rightarrow	E	~ '	λt	^	=	- >	t	P7 ~		(1	00	ľ	E			
116	1100	~						\sim		λ_1		J	1 7	C -			
											igg		LII	00	1 1		
											1						
Exam	ple											the	La	gest		iapu	กอง
	`											Exp	enen	+	of	the	2
Two	Mea	sure	nent	-5	wer	e	Mod	k				Susf	em.	E	0-9	for	Laren
to	α Ωο	cisi	RΛ	of	(_ =	10	7				•					
We	, p.,		1	,	1.		10			?	+ 10	~	10	0			
				_ 2								~	10	• 2		3 X	
than		E =	10		40	be	un	acce	epto	ble.				C.	V		
Incre Now,	ase	í	nition	al	pre	cisi	en.					=	⇒	t"	\approx 3	0-7	
Now.		f =	เอ	-15	(100)	. 00 0	900	X	Mo	re pr	eise	<u>.</u>)					
		V															

Instructor: Emad Masroor

What	exactly	is ?	λ ?						
	2	<i>y</i>						a	
		1				1-7)	
		X	him	e	É				
sphere of			_				vith	principal	
with infinis	esimal	<i>Cadius</i>	δ		axes		0-		
ξ, ((0)	_			> 8	(o)e			
£2(> δ	,(0)e	12 <i>E</i>		
δ3	(0)	-			> 8	3 (o) e			
At large	fimea	the	largest	λ,,	Canton	ls the	s Si	ze of	
the e				iapunov				20 01	
				•					
Negative									
Positive	↑ €	7	that	direct	ion e	xpard	S.		
If Liapu	nov E	xpanend	>0	, =>	sensit	ive d	depen	dence	
							_	erolition	-S.
	1,		150.1						
	nit	yurl.con	1/69110	renz4.		, ler	11X		

Instructor: Emad Masroor



Instructor: Emad Masroor