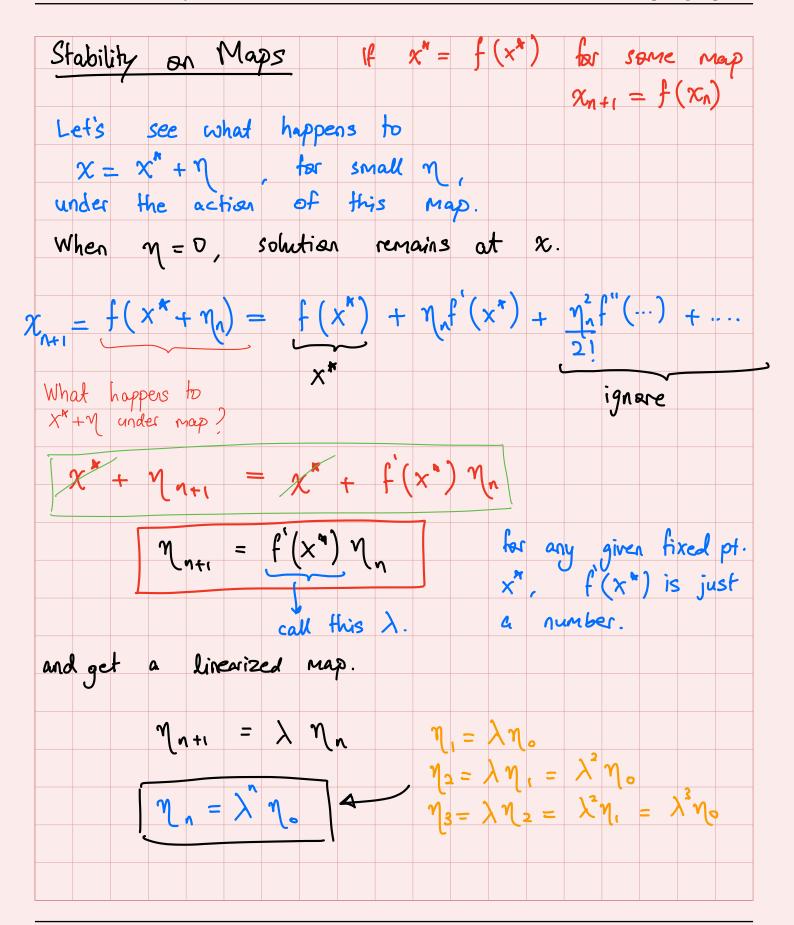
Mon	ı, Ap	or 14	Lec	cture	21													
M	aps		can	h	ave		f;	xeol		poi	nts	a	nd		ber	iadio	<u> </u>	чЬ
e.g	•		sidel						X ₁₊				χ_{n}					
J									•									
	if		% :	= 1	,	χ,	=	0.	χ	2	= [,	χ3	=	D	,	•	
								 ç!	ep l									
											7					>		
							0		Stef) 2	•	L						
. 1	1		r						,		[مان	C C	11		1460	/	
We	. h	land	<u> </u>	D UNO	(a	pe	LISS	–	2	€ ८	אוכ	0+	+1	ne 1	мар	(4))
A1-(. ما			<u> </u>	. 0	nain	Į.	Can	صا	C	lled	2 ,	2	neci	od -	1 6	chit	
No	HE :				eol = -			LWI	<i>(</i>)					Peri		1 6	4011	•
		1	~n	+1	_ ('			<u></u>	Y		Y .					step	1	
							<i></i>		~ ∧+			•		(
	~	•			X			 	ixeo ar	d f	of.	- 1	abi					
	^	741											tien		e	n:		
									X	<u>ر</u> =	f($x_n)$, a	r 2	ζ =	(- ;	χ²	
		0			Xn			1										
fer	a		given	ł,		how	do	w	e f	find		perie	od-r) 6	npit	- 2)	
																S 1		2



if $ \lambda $	(< 1	, M.	→ O	as 1 -	> 00
if [\(\)	> ,	η, .	→ ∞	asn-	→ <i>20</i>
Evaluate	Stabilit	y of	fixed	points	in the
				the Lo	renz map.
	Zn+1 :	=	2 Zn -	1 /2	
					<u>/</u>
-where is		•			y=x
X = [-	- 12 x - 1	1/2			200
$\sqrt{12\chi-1}$		1			
2x-1	= (1-x) -4 x+2				
	4± 116-		<u> </u>	- 2 ± √2	2" = 2-12
f'(x) =	2	f'(x) =	1 - 12	1x-1	ignore the 1.1
	f	(x) =	$-\frac{1}{2}(2$	1x-1, x-1, 2	
		=	1		
			12	x-1	

