Topic: High bandwidth on 'Time-series	forecast modeling.	
Is bandwidth novuraluy 1102 in	A	
l la . l un		
ำเมื่อ เก๋แนก + กาลกระเน path ใก้ เบ้าแมวพ : model the network banda	data flow mining	1
LITHUM : model the network bandu	idth parameter decisions	bet no performence.
	nw topology linh -planning.	modeline
Soun view moid	standard deviation (S.P.)	
Buch M. utilisation = cine	non bowho come and of an	@ short-term ching w/ ARMA [1 sec time-scale]
· Bandwidth utilization = musa	(Sower)	mid-term Long) w/ ARCH [15 mins the -scale]
Process of Mas model.		B) my - tem (year) W ARIMA I I week three-scale]
		forecoast error ' forecoast point of
measurement data	Related work consider	foregode point
(SNMP)	· fine-scale Tubunarion non	forecost error
decompand by (1)	· Mranghput us bandwith	
J. decomposed by STL line series esergion, trend, remainder		, and the same of
time soies	PANDWIDTH VS	
Lsegson, frend, remainder	Randwidth	n Throughput
3 1		
3 J Anima model	Traffic in Bits	each durices sending
		packet ben the time
G L		Curus was in the curus
G reduce computation time,	Time is	in Seconds https://ipwithease.com
urse,		
		of available bandwidth by who passive
	measurements from ron	where extimation from probing packets
model development		we not deliver
· Univariate time series mobil est	broke a halam vollare	
1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		a O remove seasonally in same by STL.
L Observed SNMP dates up to from	- CX1, X2,, KN	0 10 10 10 10 10 10 10 10 10 10 10 10 10
	phe Nurvork Wangbreak Golock	
Eu en ch = (ant) - (an ch) -	forecast of h steps when d	3 Avina = reduce computation
(available under	u	- bandwidth utilization -> rooter to rooter
liter.		