## LIMESTONE MILL OPTIMIZATION EQUATION SEQUENCE

	Get values of Jesigh vars.	Compute Paror for Pennspilog
	from optimization	Pr = DPQ
	The second secon	Compute Initial Cost
7	Compute Slumy flow rate	cust_initial = 300 (Pa/550) + 200 (Pa/550)
(_	$Q = \frac{1}{4}\pi D^2 V$	provided a primarial property field from the principal property provided the provided provided the provided pro
	Compaste Flow Rate of Limestone	Comparte Yearly Opending cost
7	Qe=W/8	$ust\_yearly = 0.07 \left(\frac{P_3}{550}\right) 8*300 + 0.05 \left(\frac{P_4}{550}\right) 8*300$
	Compute Flow Rase of Lanter	Compute Net Present Value
1	Qw=Q-Qe	Past = cost-yearly (1+i) -1
**************************************	Compute Sluny Consentration	Comparte Total Cost
/	c= Qe/Q	cost_total = cost_initial + Peast
· Suran	Compute Slung density	Companie Ve (for constraint)
	p = pw + c(8 - pw)	Vc = ( ugcls-1)D /2
7	Compute Power for Grinding	Loop until optimum
	Pg=218W ( Ta)	fund
1	Comparte Rus	
1	PW= PWVD	
	fu=0.3164/RW IF RW = 10e5	
/	FW=0.003Z + 0.221 RW if RW ≥ 10e5	
	The same of the sa	
2	Compute CoRp (X-PW)	
The state of the s	CoRp2 = 49 Pwd (8-Pw)	
4	Companie F	
( F	= Fw (PW + 150 c PW (3 D(S-1))	
7	Comparte AP	
	$\Delta P = \frac{f_P L V^2}{2Dg_c}$	
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