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Analysis of Parallel resonance concept

Ain '- To phatially observe the behavior.

of a parallel resonance circuit and to

the plot the performence curie.

Circuit diagram. In

SI NO	Frequ	Ammeter neading	Y1=1/21	Ya = 1/2 a	Y = Y1 + Y2
The state of	V	23	= 1/(R+jx)	=1/-jxc	
4	50	5-14	3.03 × 10-3	3.14 ×16-5	0.010
	100	2.50	1.57×10-3		0.04
2	150	1.80	1.06×10-3		6.889
3	200	1.26	4.93×10-4	1.96	0.154
5	250		6-35 × 10-4		0.0297
6	300	0.90'	5-3×10-4		0.356
7	350	0.44	All All	2 2 × 10-4	0.989



Experiment No 4

Tabu

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-	400	0.26	3.98	2.43 × 10-4	0.630	
		0.1.	3.54	2.89 70 10-4	0.8	
		0.07	3.46	2.95 × 10-4	0.836	
			3.38	3.02 ×10-4	0.813	
			3.54	3.08 200-4	0.910	
		0.02	3.46	3.08 ×10-4	0.948	
		0.03	3.38	3.14 ×10-4	0.987	
			3.37	3.77×10-4	1-417	
		0.48	3.25	4.4 × 10-4	1.42	
		0.68	3.80	5-03 × 10-4	2.51	
	TOTAL STREET	0.9	2.66	5-65 X10-4	3 - 17	
	100 D	1.00	2.38	C. 20 x10-4	3.95	
		1.2	2.00	6.91 × 10-4	4-76	
			1.33	7.5 X10-4	5-65	
	10 11 12 13 14 15 16 17	8 450 9 460 10 440 11 480 12 500 14 600 15 760 16 800 17 9004	8 450 0.01 9 460 0.01 10 440 0.05 11 480 0.03 12 500 0.03 14 600 0.28 15 460 0.48 16 800 0.68 17 9004 0.9 1100 1.2	8 450 0.1 3.54 9 460 0.07 3.46 10 440 0.05 3.38 11 480 0.03 3.54 12 490 0.02 3.46 13 500 0.03 3.38 14 600 0.28 3.37 15 400 0.48 3.25 16 800 0.68 3.80 17 9006 0.9 2.66 1000 1.00 2.28	9 450 0.01 3.46 2.89 % 10-4 10 450 0.05 3.38 3.02 × 10-4 10 450 0.03 3.54 3.08 % 10-4 11 480 0.03 3.54 3.08 % 10-4 12 500 0.03 3.38 3.14 × 10-4 13 500 0.03 3.38 3.14 × 10-4 14 600 0.28 3.37 3.77 × 10-4 15 500 0.48 3.21 4.4 × 10-4 16 800 0.68 3.80 5.03 × 10-4 17 9004 0.9 2.66 5.65 × 10-4 1000 1.00 2.36 6.91 × 10-4 1100 1.2 2.00 6.91 × 10-4	

spiernen calculation	1 7158	Tebelo	
- 1 - R2			
2T VLC L2	T. N.		
= to = 0.159 × 107 - 10000	Sie		
	061		
201159 x J9990000	631	Te la	
2 502.550 Hz.	100%	1	

