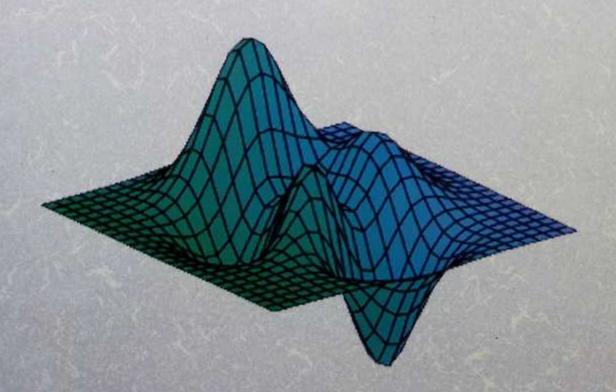


St. Xavier's College Physics Department Annual Publication

NEW DIMENSION



Contents

1.	Aakash Chandra Giriand Ram Sundar Matang	
	An Experiment Performed for Analysis of Magnetic Braking System using three	
	Specimens viz: Aluminium, Brass and Copper	ı
2.	Babita Koirala, Roshani Ghimire and Arun Kumar Shrestha	
	Evaluation of Water Quality Index and Physico-Chemical Analysis of Ratuwa River of	
	Damak in Dry Season	5
3.	Lekha Nath Mishra and Ram Babu Yadav	
	A theoretical study on the breakdown of gases due to the magnetic field at high frequency	14
4.	Rachana K.C., Binod Adhikari, Kiran Pudasaince and Ramesh Rijal	
	Variation on Interplanetary Parameters during Geomagnetic Disturbances	18
5.	Surat Bahadur Shah and Hari Shankar Mallik	
	An Introduction to Thin Films and Its Optical Properties	27
6.	Bikash Rai and Basu Dev Ghimire	
	The Effect of Solar Indices (SSN, Dst-Index, ap-Index and F10.7-Index) on Total Electron	
	Content (TEC) Obtained from Lamjung Station (Latitude 28.22°N & Longitude 84.37°E)	32
7.	S. Adhikari, P. Bista and V.K. Jha	
	Simulation Study on the Electron Trajectories Using Monte Carlo Method on the Inner	
	Transition Metals (Pr, Sb & Ce)	40
8.	A. Tamli and R.S. Mata	
	Construction of LPG gas leakage electronic alarm circuit and its characterization	4