

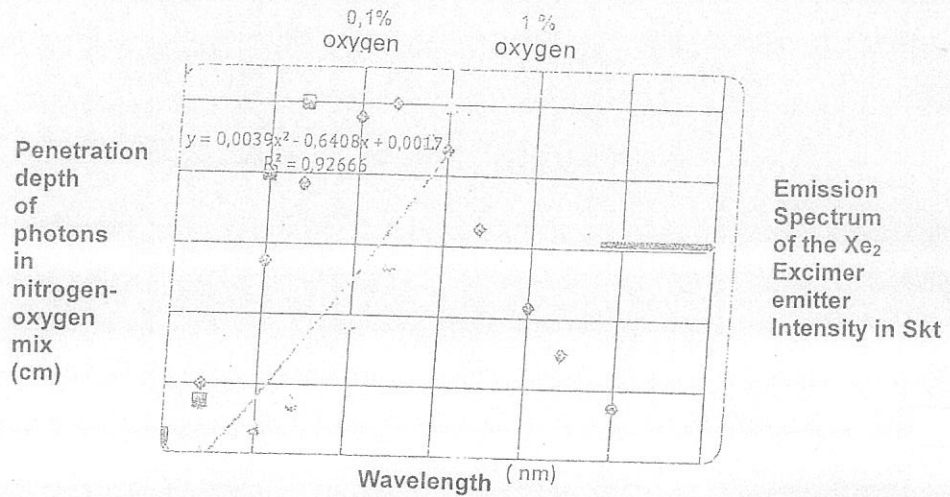


Fig. 1 Optical emission spectrum of the Xe₂ Excimer emitter and the penetration depth of the photons in oxygen that contains 0.1 and 1 vol. % of oxygen.

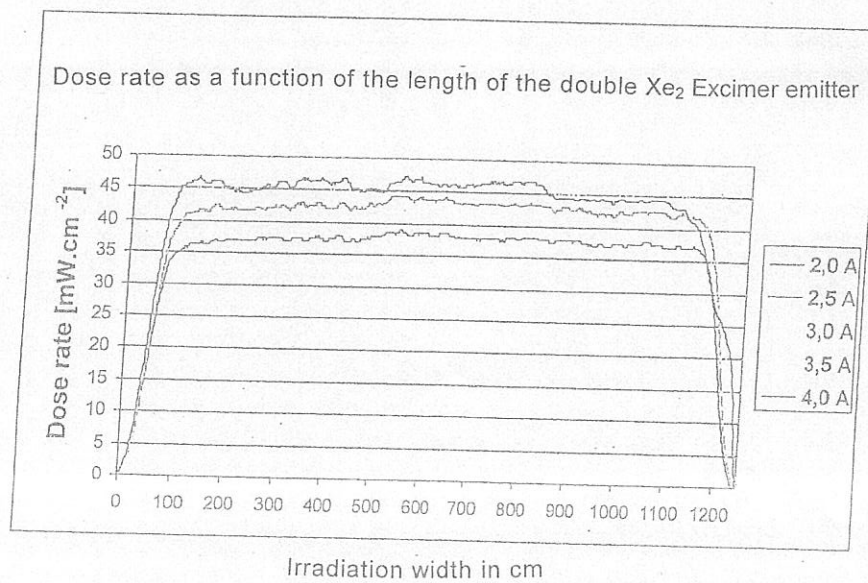


Fig. 2

Storage time in days	Surface strength in mN/m		
	Total	Dispersive fraction	Polar fraction
0	51	39	12
30	50	38	12
58	49	38	11
85	48	37	11

Table 1

Dose rate of Xe2 Excimer emitter 25 mJ/cm ²			
Web speed in m/min	Surface strength in mN/m		
	Total	Dispersive fraction	Polar fraction
0 not irradiated	41.9	37.9	3.9
30	50.4	39	11.4
60	51.3	40	11.4
90	43.4	38.1	5.5

Dose rate of double Xe2 Excimer emitter 45 mJ/cm ²			
Web speed in m/min	Surface strength in mN/m		
	Total	Non-polar fraction	Polar fraction
0 not irradiated	41.9	37.9	3.9
30	51.2	39.1	12.2
60	51.4	39	11.4
90	50.6	39.2	11.5
110	48.9	38.9	10.1
130	45.2	38.5	6.8

Table 2