

Indexing of Selected Area Channeling Pattern (SACP)

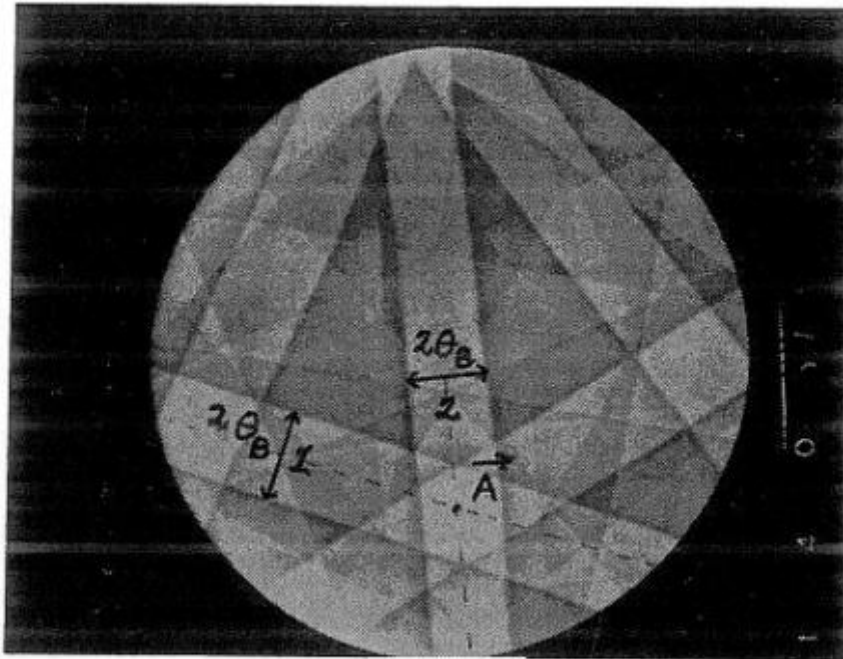


Fig. 63

Diffraksjonskontrastdiagram fra et korn i en Al polykrystall. Akselerasjonsspenningen er 45kV. Total vippevinkel $2\theta_{\max} = 16^\circ$.

Diffraction contrast pattern from one grain in a polycrystalline Al. Accelerating voltage is 45keV and the total tilting angle $2\Phi = 16^\circ$.

The table below shows different lower-index lattice planes of Al (FCC, $a = 0.405 \text{ nm}$), for comprising from the measured lattice distance from the SACP.

Tabell d-verdier aluminium:

hkl	$d_{hkl} (\text{\AA})$	hkl	$d_{hkl} (\text{\AA})$
111	2,34	331	0,93
200	2,03	420	0,91
220	1,43	422	0,83
311	1,22	511	0,78
222	1,17	333	0,78
400	1,01	440	0,72