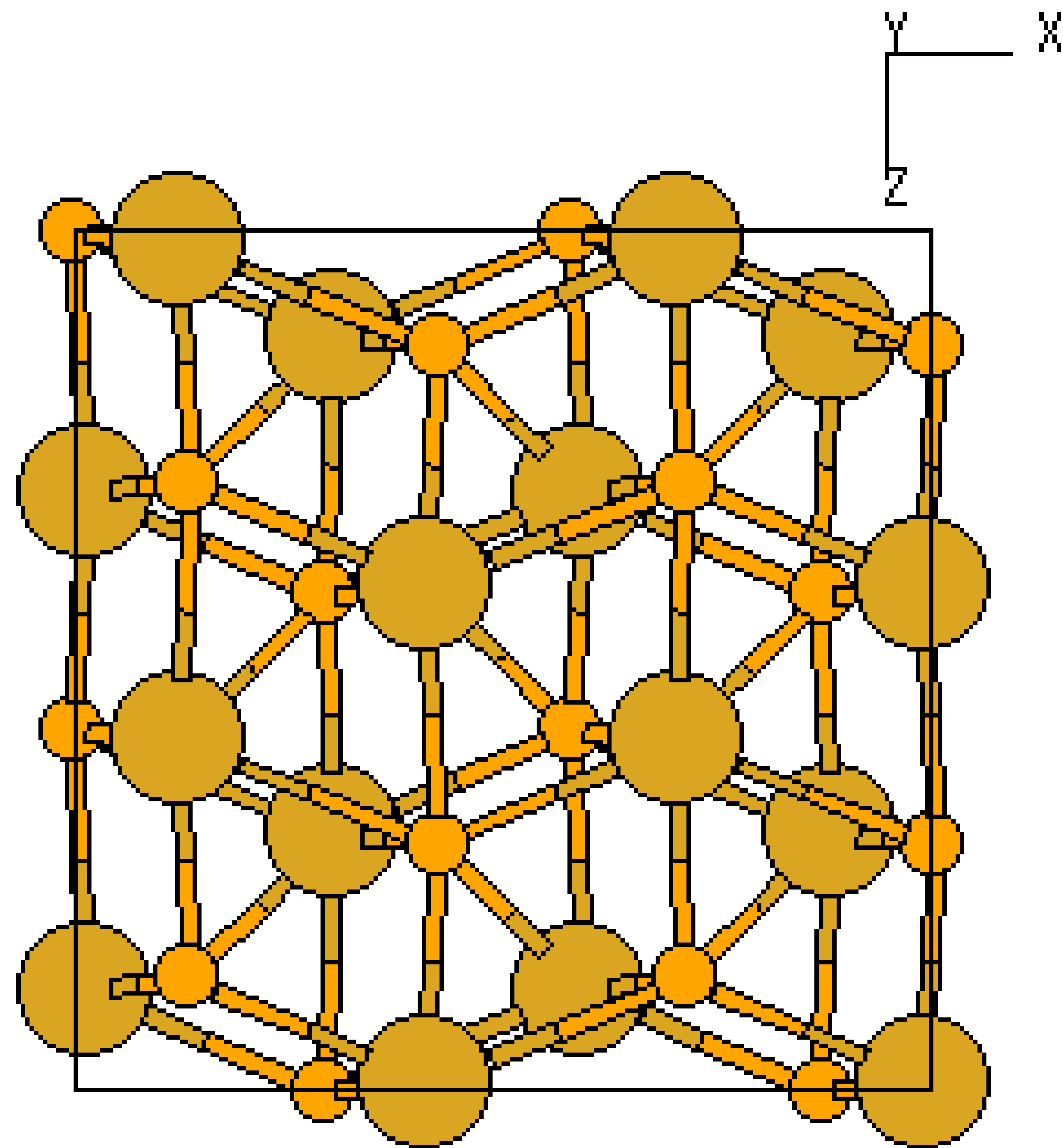




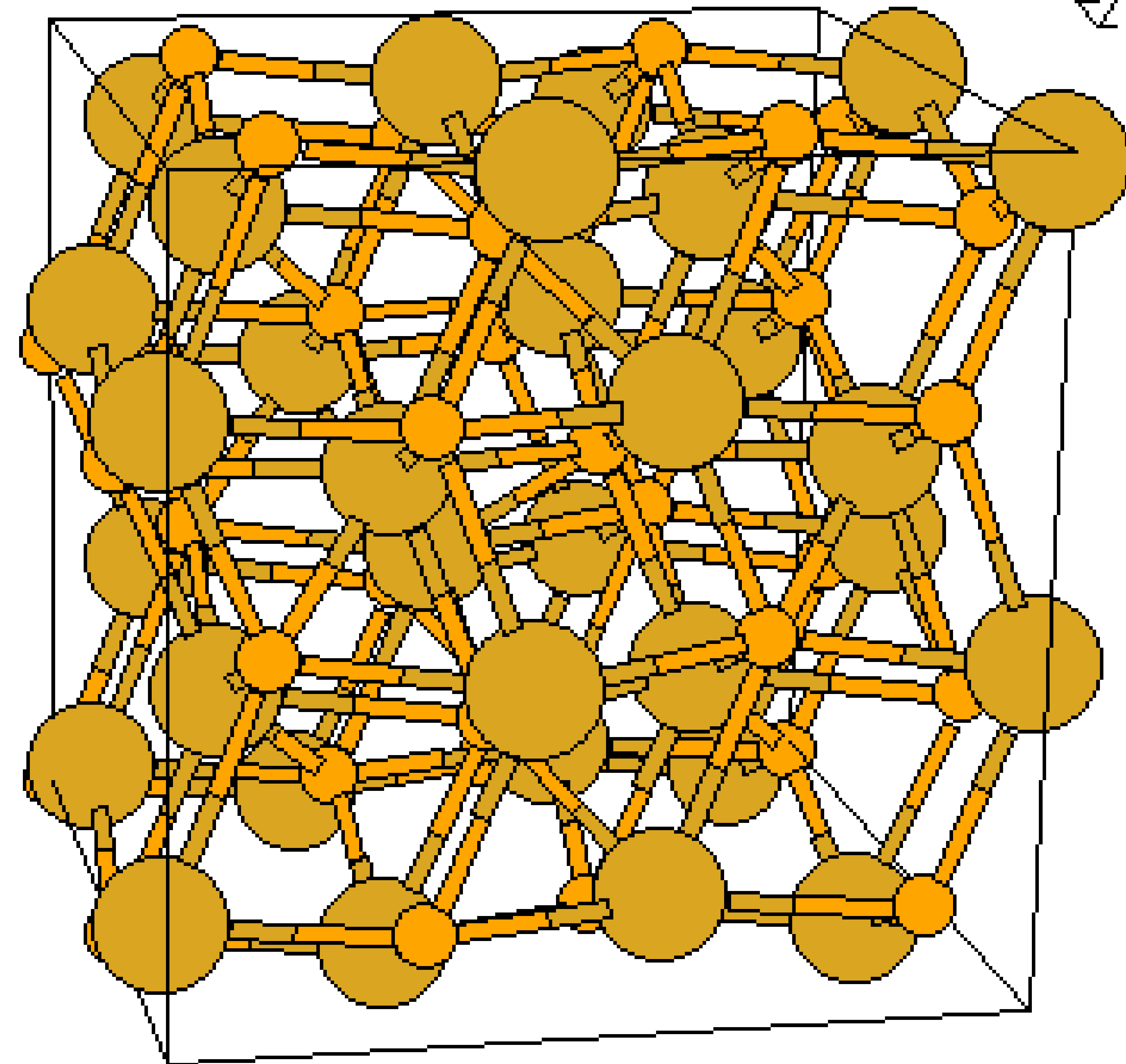




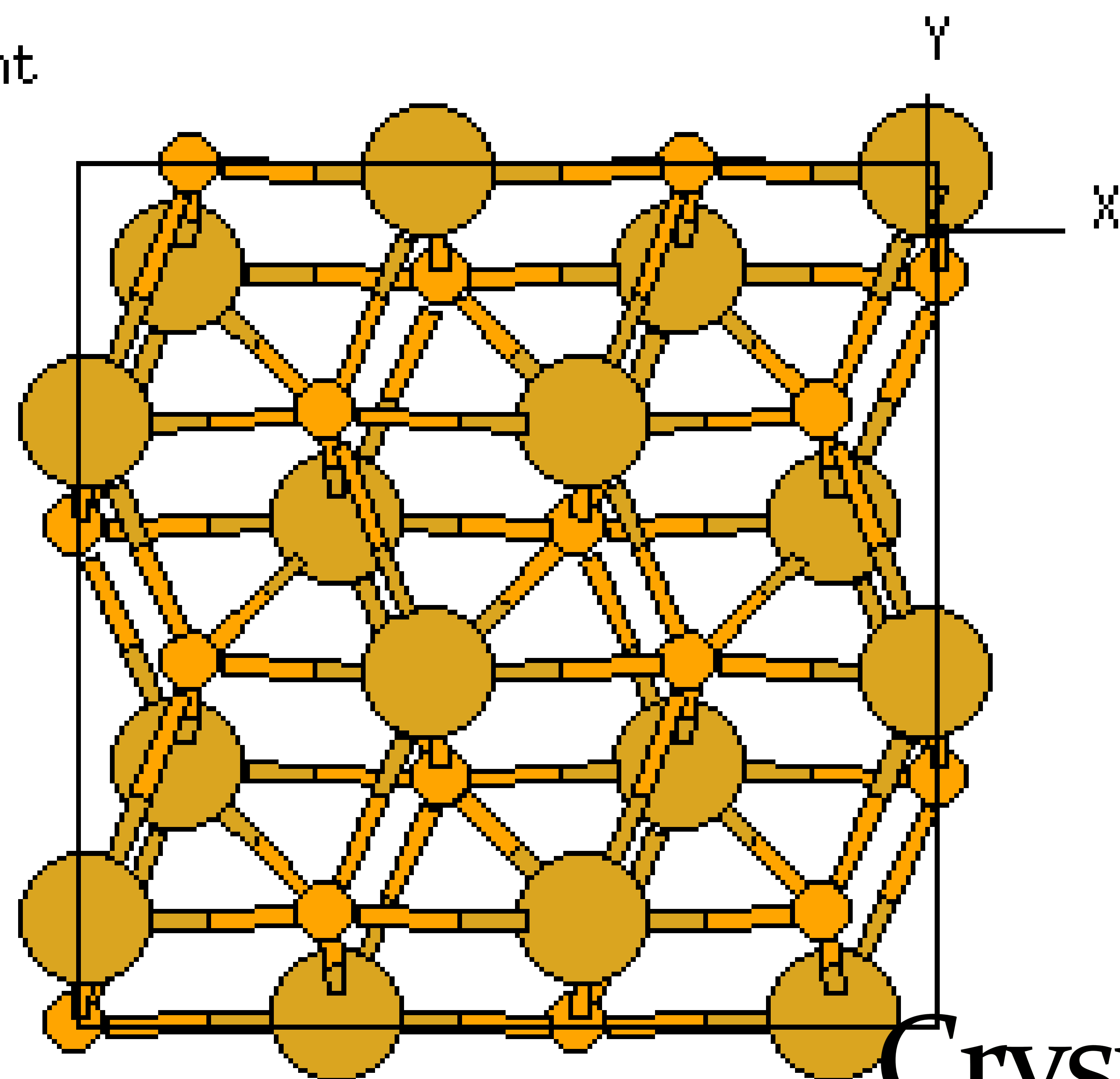
Top



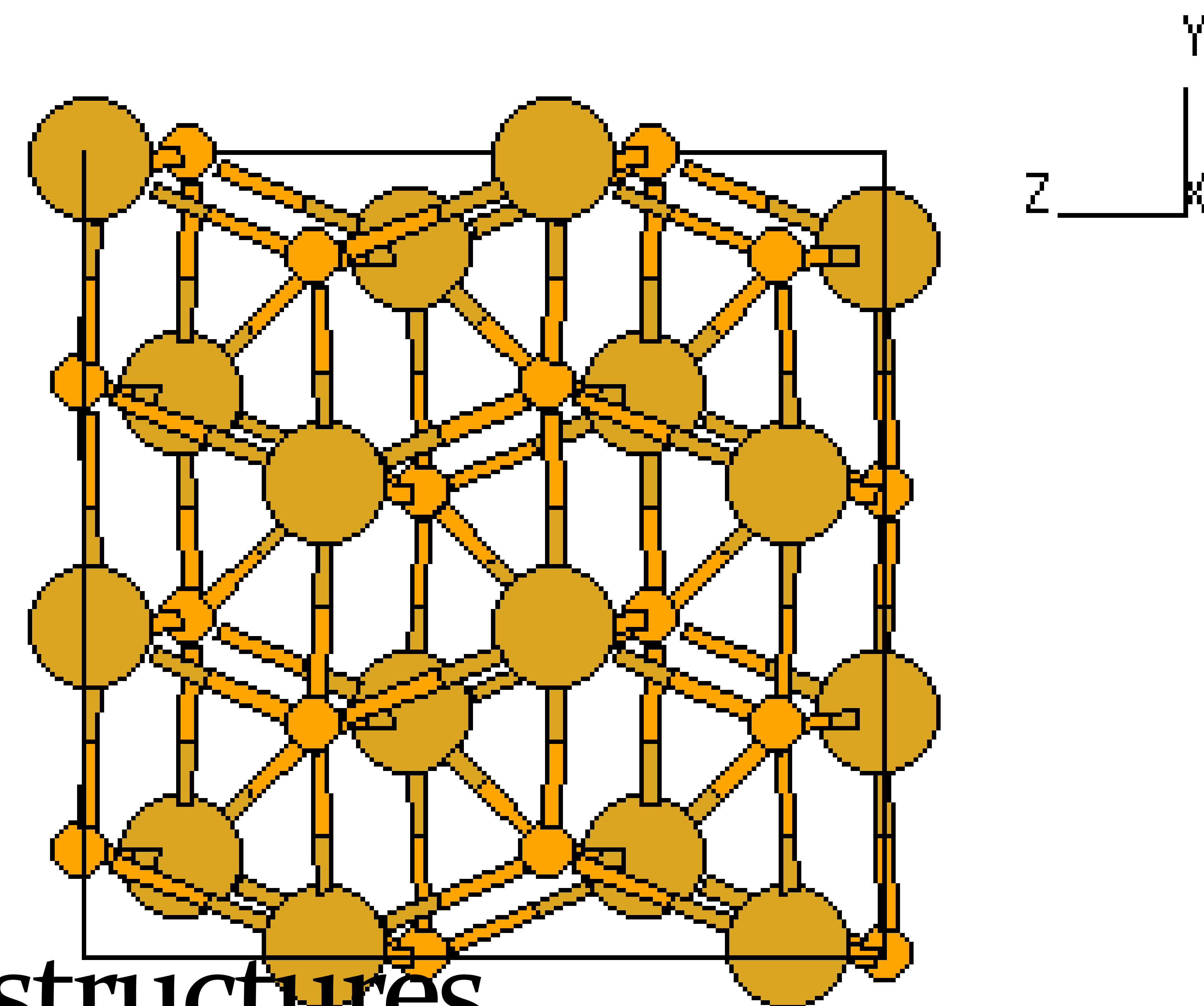
Active



Front

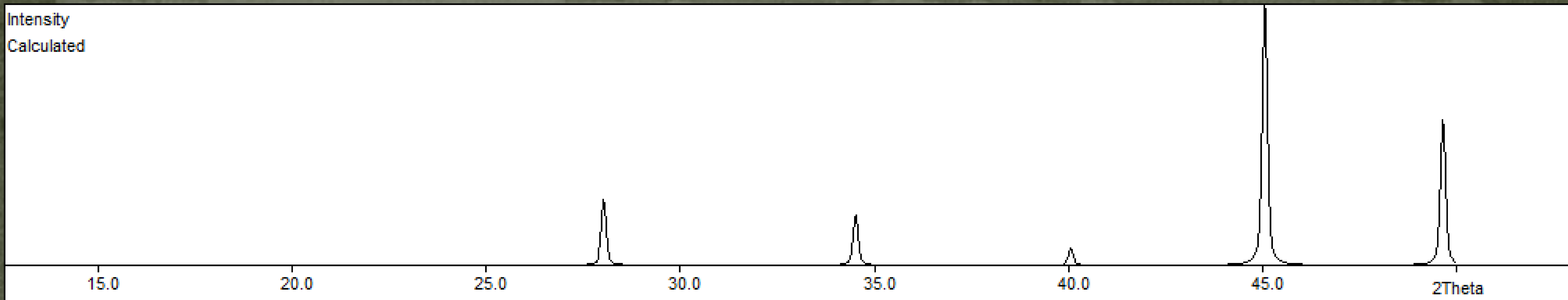


Right



Crystal lattice structures

<http://cst-www.nrl.navy.mil/lattice/struk/b20.html>



$$n\lambda = 2d \sin \theta$$

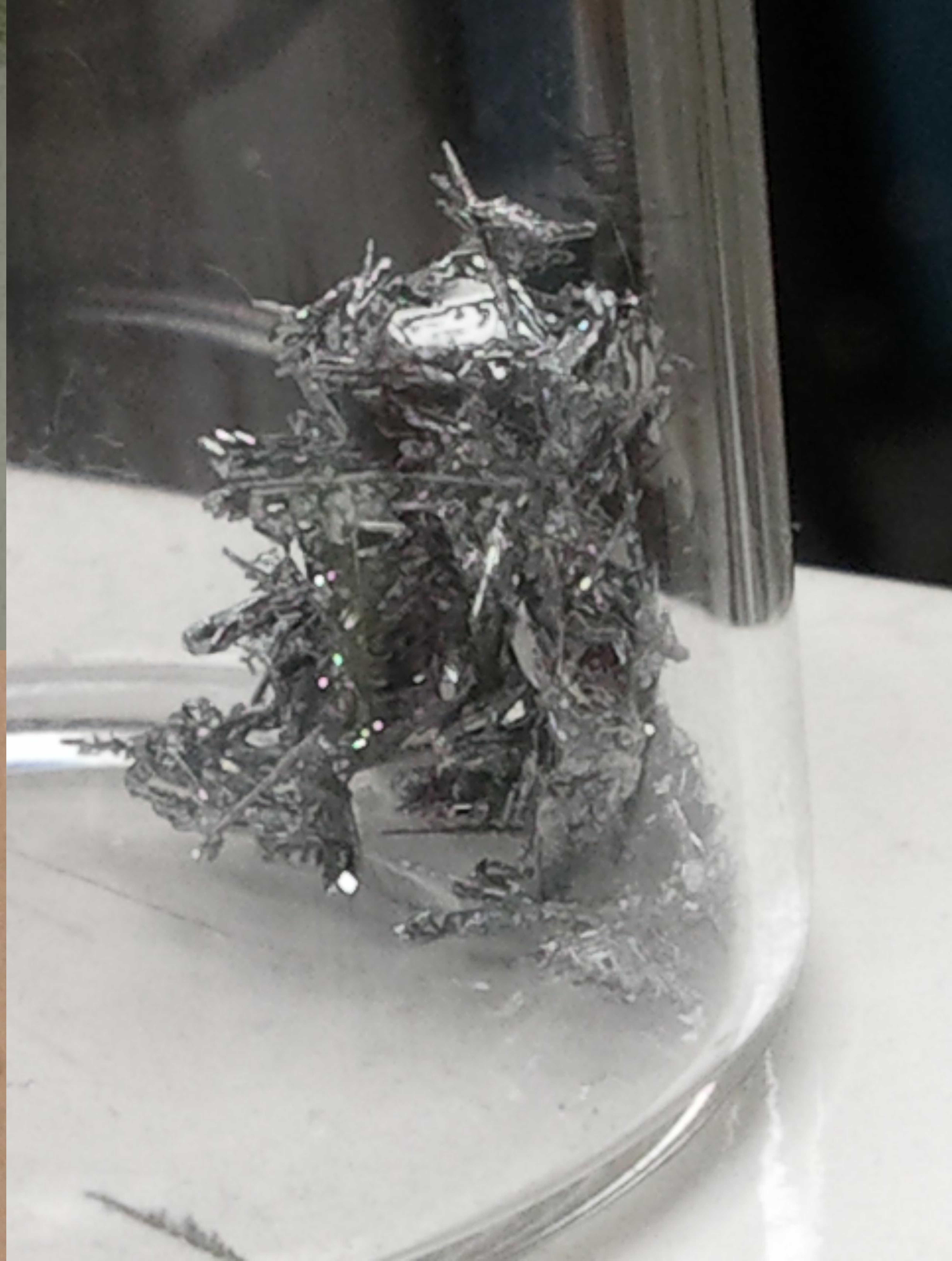
$n$  is an integer

$\lambda$  is the incident wavelength

$d$  is the distance between crystal planes

$\theta$  is the angle between incident ray and plane

MnSi

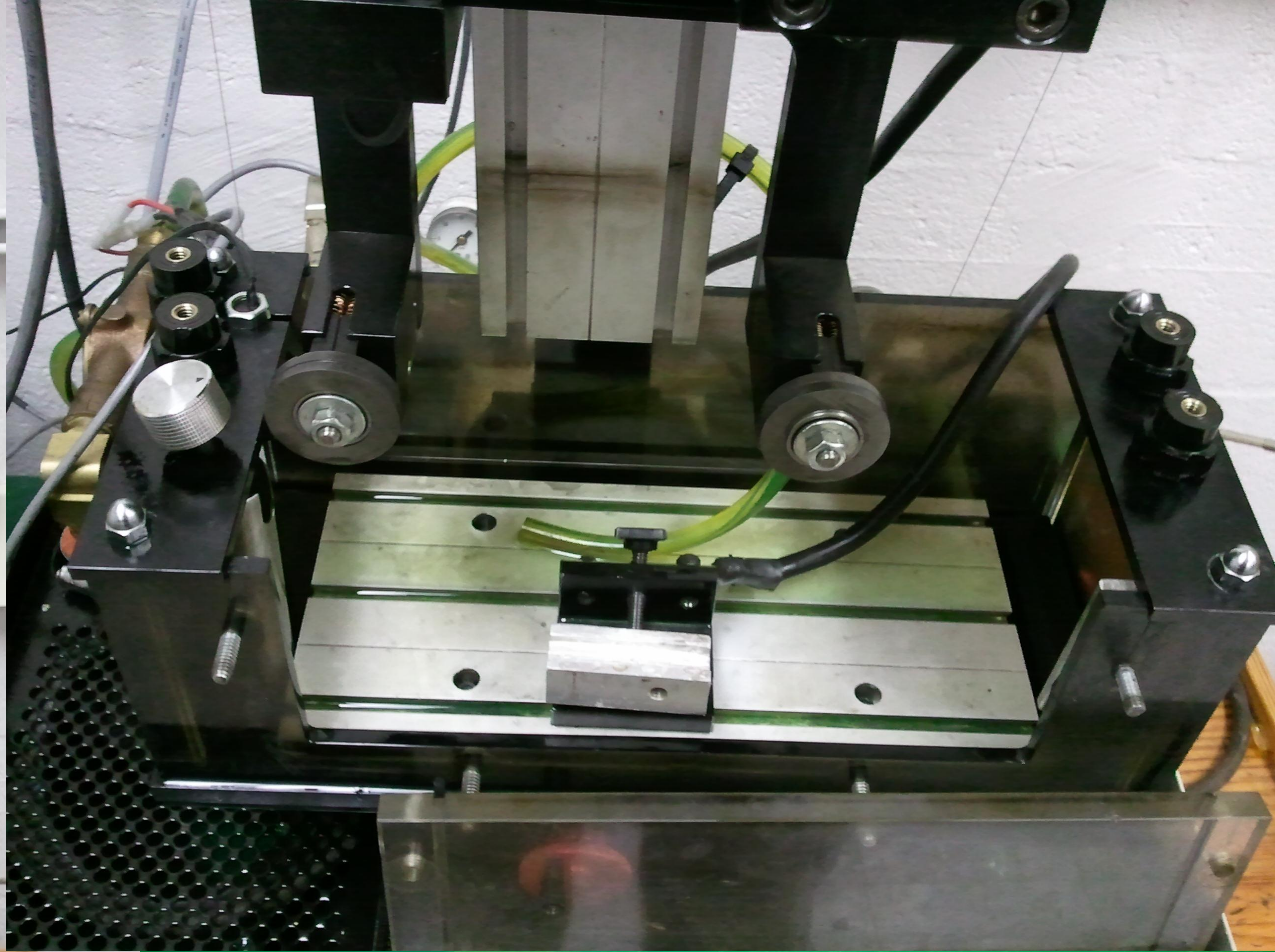
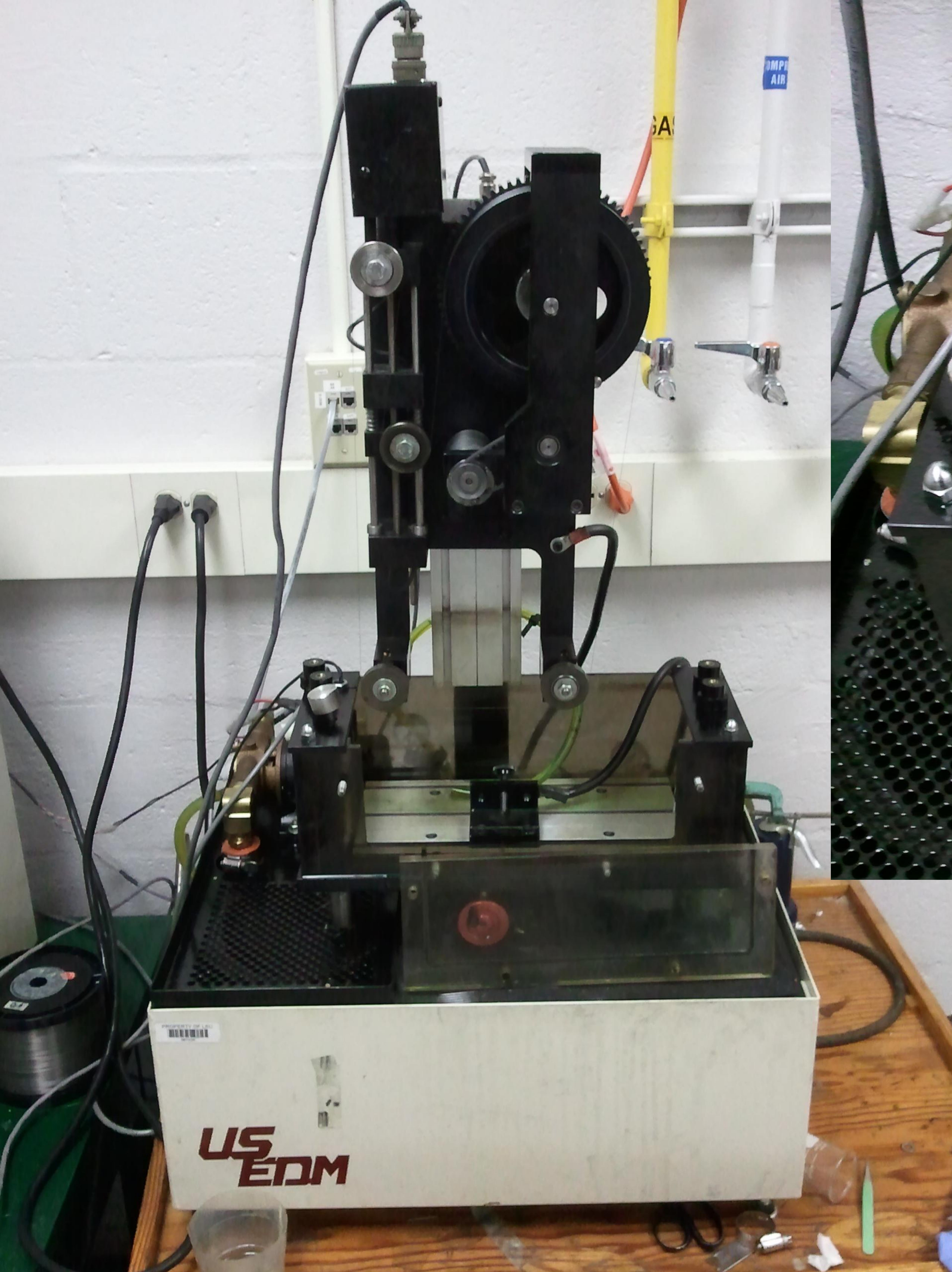










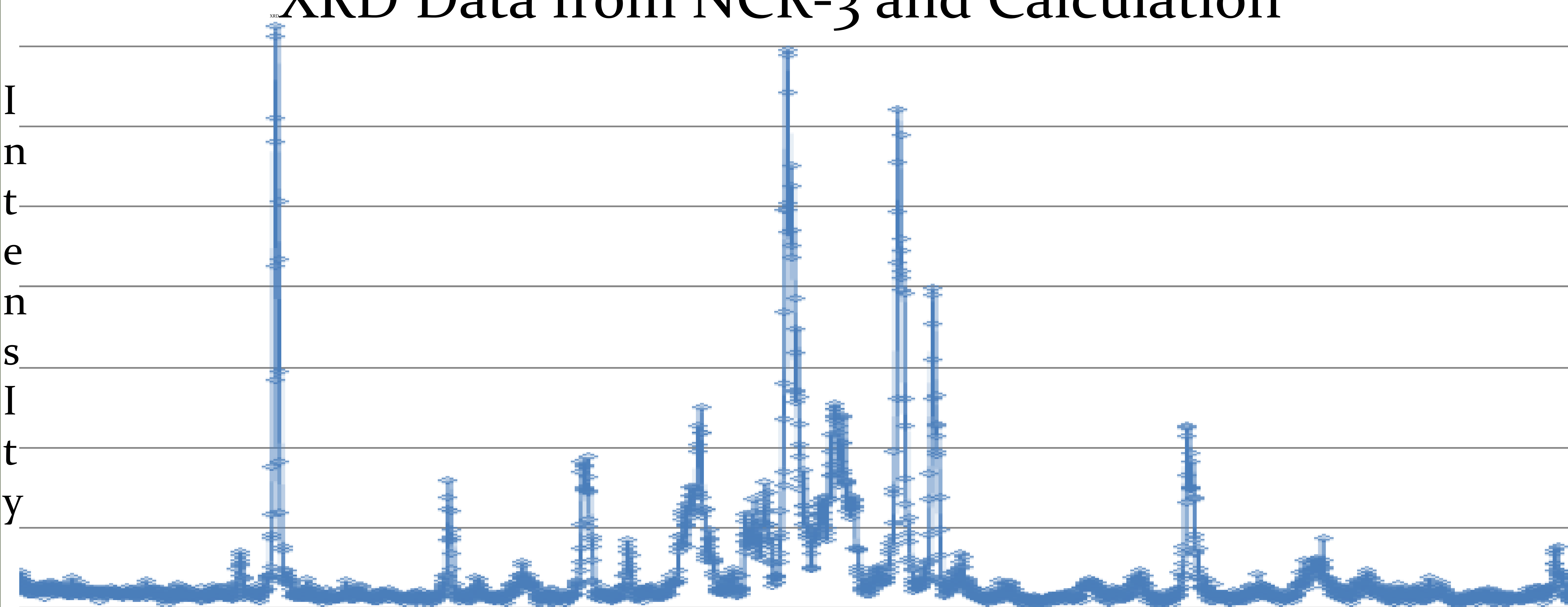




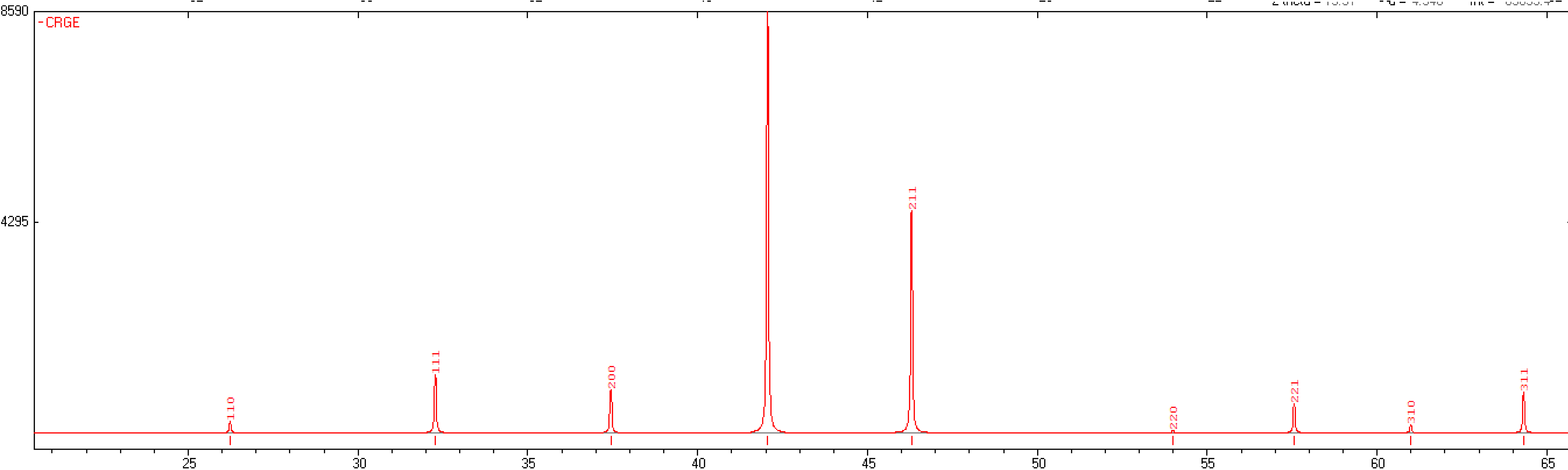
<http://schwehr.org/blog/archives/2005-10.html>

# XRD Data from NCR-3 and Calculation

I  
n  
t  
e  
n  
s  
i  
t  
y



0 30 40 50 60



$2\theta$



- NCR-4

# XRD Data from NCR-4 and Calculation

I  
N  
T  
E  
N  
S  
I  
T  
Y

