

**Fourth International Derive TI-89/92 Conference
Liverpool John Moores University, July 12 – 15, 2000**

Organic molecules with DERIVE and DP Graph

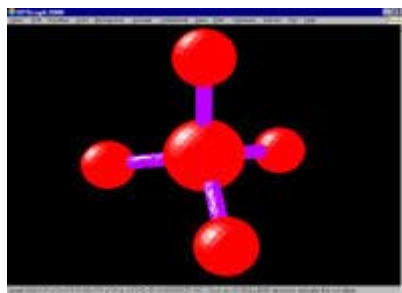
**David Sjostrand
Elof Lindaelv's Gymnasium, Sweden
Email: david@ydsa.se**

In this workshop the participants will use *DERIVE* and DP Graph to model some organic molecules on the computer screen. Atoms are represented by spheres and bonds by cylinders or just line segments between spheres.

We will also see how to reflect, rotate and translate the molecules (or any surface.) We can use this to investigate optical isomeri.

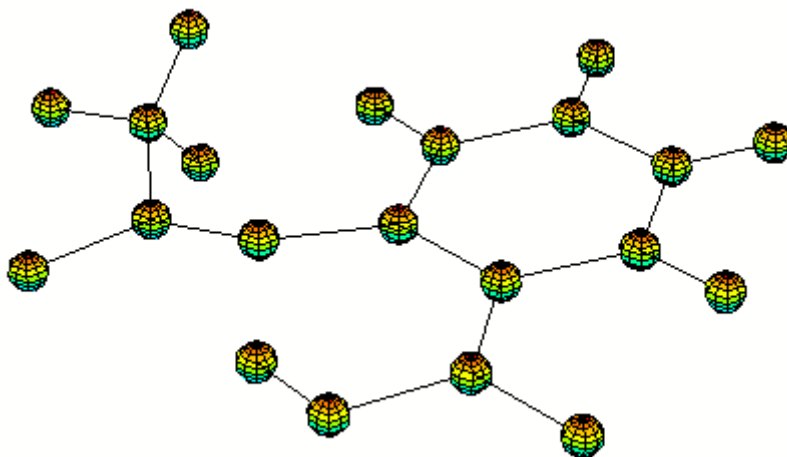
I think that the participants should be experienced DERIVE-users (or very experienced users of mathematical soft wares.)

Below are two examples. The first one is created by Ludvig Strigeus, one of my students at Elof Lindaelv's gymnasium.



Methane created with DP Graph and *DERIVE*.

This molecule was created using data from a protein data bank.



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