1. **Description**

The GB model can be used to describe the anisotropic ellipsoids which are shown in following picture.

This model which is described in “J. G. Gay and B. J. Berne, Modification of the overlap potential to mimic a linear site–site potential, J. Chem. Phys., 74, 6, 1981” is usually used to study the problems about liquid crystal. The testing system with following parameters will form a side-by-side ordering structure.

1. **Parameters**

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1. **Commands**
2. Run the simulation by:

python gb.gala --gpu=0 >a.log&

1. Directly viewed by OVITO