liedb_g3d_lie20_half_inter.mat is a dictionary of the form {lieDir, lie} where:

- lieDir = ".\data\g3d\"
- lie is an n-dimensional array/list which contains:
    - id (sample id)
    - name (paths to each training/test sample)
    - set (1 for training, 2 for test)
    - label (actions are numbered from 1 to 20)
    - pooling_index

Example:

lie.name = ['lie20_half_inter1\\1\\11_0.mat', … , 'lie20_half_inter1\13\507_1.mat', …]
lie.label = [1, … , 5, …]
lie.set = [2, … , 1, …]

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The features are stored in the folder **lie20_half_inter1** and are lists of dimensions matrix_height x matrix_width x frames x #matrices :

- matrix_height = matrix_width = 3, since all matrices are 3x3 rotation matrices
- frames = 100
- #matrices = 342 (there are 20 joints -> 19 edges, so 19*18 = 342 pairs of edges)

Thus, the features are 3 x 3 x 342 x 100 – dimensional lists