



The diagram illustrates a software stack architecture. At the top is an orange box labeled 'R base API'. Below it is a large pink box containing 'GenOps (inner product, apply, aggregate, groupby, cum-op)' and 'Optimizer'. The pink box is divided into three columns: 'sparse matrix', 'dense matrix', and 'vector'. Below the pink box is a light blue box labeled 'SAFS'. At the bottom are six light blue cylinders, each labeled 'SSD'.

R base API

GenOps (inner product, apply, aggregate, groupby, cum-op)

Optimizer

sparse matrix

dense matrix

vector

SAFS

SSD

SSD

SSD

SSD

SSD

SSD