Parameters of filter are fixed during one data processing session which may contains many procedure runs.

```
__global__ void handleData
                (int* filterParams, int* data, ...)
{
    __shared__ int cachedFilterParams[size];

    /*some code to load filterParams
      to cachedFilterParams*/
    ...
}
```

In real-world cases we have a huge number of data chunks. Thus we have multiple procedure runs.

Filter params are read only and common for all threads, so we usually copy it into shared memory to reduce memory traffic. In some cases this data can be placed in the constant memory