Initialization and data preprocessing

Data subset 1

Thread block 1

Calculating WMs in a fine-grained parallel way

Data subset $m_1$

Thread block $m_1$

Calculating WMs in a fine-grained parallel way

The WMs are stored in the GPU global memory for further processing

Check data integrity using Kernel 2

Compute self entropy using Kernel 3

WM pair set 1

Thread block 1

Computing MI in a fine-grained parallel way

WM pair set $m_2$

Thread block $m_2$

Computing MI in a fine-grained parallel way

Result readback to CPU for output