

Host

Device

Kernel 1

Grid 1

**Block
(0, 0)**

**Block
(1, 0)**

**Block
(2, 0)**

**Block
(0, 1)**

**Block
(1, 1)**

**Block
(2, 1)**

Kernel 2

Grid 2

Block (1, 1)

**Thread
(0, 0)**

**Thread
(1, 0)**

**Thread
(2, 0)**

**Thread
(3, 0)**

**Thread
(4, 0)**

**Thread
(0, 1)**

**Thread
(1, 1)**

**Thread
(2, 1)**

**Thread
(3, 1)**

**Thread
(4, 1)**

**Thread
(0, 2)**

**Thread
(1, 2)**

**Thread
(2, 2)**

**Thread
(3, 2)**

**Thread
(4, 2)**

