Tabela 1: Número de operações realizadas para o cálculo do id global das threads

SX SY SX DX DX DX DX DX DX DX		14 1. 1	· uiiic		nfig	içocs i	Canze	das para o cálculo do <i>id</i> global das <i>threads</i>	Operação		
0	Id	gx	gv			bv	bz	Função			Total
1	0			_		_		Caso inexistente			0
2		0									0
3	1								0		0
4	3	0	0	0	0	1	1	0 0	1	1	2
5	4	0	0	0	1	0	0		0	0	0
To Decomposition To Decomposition To Decomposition Decomposition	5	0	0	0	1	0	1		1	1	2
8	6	0	0	0	1	1	0	, ·	1	1	2
8	7	0	0	0	1	1	1	0 0	2	3	5
9		0	0	1	0	0	0	0 0	0		
10		0	0	1	0	0	1	0 (/	1	1	2
11	10	0	0	1	0	1	0	0 0	1	1	2
12	11	0	0	1	0	1	1	0 0 0	2	3	5
13	12	0	0		1	0	0	0 0 0			
14	13	0	0	1	1	0	1			3	5
16	14	0	0	1	1	1	0	getGlobalIdx_grid_1D_z_block_2D_xy()	2	3	5
17	15	0	0	1	1	1	1	getGlobalIdx_grid_1D_z_block_3D_xyz()	3	6	9
18	16	0	1	0	0	0	0	getGlobalIdx_grid_1D_y()	0	0	0
19	17	0	1	0	0	0	1	getGlobalIdx_grid_1D_y_block_1D_z()	1	1	2
20	18	0	1	0	0	1	0	getGlobalIdx_grid_1D_y_block_1D_y()	1	1	2
21	19	0	1	0	0	1	1	_ v v	2	3	5
21	20	0	1	0	1	0	0		1	1	2
22	21	0	1	0	1	0	1		2	3	5
23	22	0	1	0	1	1	0			3	5
24 0 1 1 0 0 getGlobalIdx_grid_2D_yz() 1 1 2 25 0 1 1 0 0 1 getGlobalIdx_grid_2D_yz_block_1D_z() 2 3 5 26 0 1 1 0 1 0 getGlobalIdx_grid_2D_yz_block_1D_y() 2 3 5 27 0 1 1 0 1 getGlobalIdx_grid_2D_yz_block_2D_yz() 3 4 7 28 0 1 1 0 0 getGlobalIdx_grid_2D_yz_block_2D_xz() 3 4 7 29 0 1 1 1 0 getGlobalIdx_grid_2D_yz_block_2D_xz() 3 4 7 30 0 1 1 1 1 getGlobalIdx_grid_1D_x_block_2D_xy() 3 4 7 31 0 1 1 1 1 1 1 1 1 1 2 3 1 1	23	0	1	0	1	1	1	0 0 0	3	6	9
25 0 1 1 0 0 1 getGlobalIdx_grid_2D_yz_block_1D_y() 2 3 5 26 0 1 1 0 1 0 getGlobalIdx_grid_2D_yz_block_1D_y() 2 3 5 27 0 1 1 0 1 1 getGlobalIdx_grid_2D_yz_block_2D_yz() 3 4 7 28 0 1 1 1 0 0 getGlobalIdx_grid_2D_yz_block_2D_yz() 3 4 7 30 0 1 1 1 0 getGlobalIdx_grid_2D_yz_block_2D_xy() 3 4 7 31 0 1 1 1 1 1 getGlobalIdx_grid_1D_x_block_2D_xy() 4 7 11 32 1 0 0 0 getGlobalIdx_grid_1D_x_block_3D_xyz() 4 7 11 32 1 0 0 1 getGlobalIdx_grid_1D_x_block_1D_x() 1 1 2 3	24	0	1	1	0	0	0	0 0		1	2
26 0 1 1 0 getGlobalIdx_grid_2D_yz_block_1D_y() 2 3 5 27 0 1 1 0 1 1 getGlobalIdx_grid_2D_yz_block_2D_yz() 3 4 7 28 0 1 1 1 0 0 getGlobalIdx_grid_2D_yz_block_1D_x() 2 3 5 29 0 1 1 1 0 1 getGlobalIdx_grid_2D_yz_block_2D_xz() 3 4 7 30 0 1 1 1 0 getGlobalIdx_grid_2D_yz_block_2D_xz() 3 4 7 31 0 1 1 1 1 getGlobalIdx_grid_2D_yz_block_3D_xyz() 4 7 11 32 1 0 0 0 0 getGlobalIdx_grid_2D_yz_block_3D_xyz() 4 7 11 32 1 0 0 0 getGlobalIdx_grid_1D_x_block_1D_x() 1 1 2 34 1 <	25	0	1	1	0	0	1		2	3	5
28 0 1 1 1 0 0 getGlobalIdx_grid_2D_yz_block_1D_x() 2 3 5 29 0 1 1 1 0 1 getGlobalIdx_grid_2D_yz_block_2D_xz() 3 4 7 30 0 1 1 1 1 0 getGlobalIdx_grid_2D_yz_block_2D_xy() 3 4 7 31 0 1 1 1 1 getGlobalIdx_grid_2D_yz_block_3D_xyz() 4 7 11 32 1 0 0 0 0 getGlobalIdx_grid_1D_x_block_3D_xyz() 4 7 11 32 1 0 0 0 1 getGlobalIdx_grid_1D_x_block_1D_x() 1 1 2 34 1 0 0 1 1 getGlobalIdx_grid_1D_x_block_1D_x() 1 1 2 35 1 0 0 1 1 getGlobalIdx_grid_1D_x_block_2D_yz() 2 3 5 3	26	0	1	1	0	1	0		2	3	5
28 0 1 1 1 0 0 getGlobalIdx_grid_2D_yz_block_1D_x() 2 3 5 29 0 1 1 1 0 1 getGlobalIdx_grid_2D_yz_block_2D_xz() 3 4 7 30 0 1 1 1 1 0 getGlobalIdx_grid_2D_yz_block_2D_xy() 3 4 7 31 0 1 1 1 1 getGlobalIdx_grid_2D_yz_block_3D_xyz() 4 7 11 32 1 0 0 0 0 getGlobalIdx_grid_1D_x() 0 0 0 0 33 1 0 0 0 1 getGlobalIdx_grid_1D_x_block_1D_x() 1 1 2 3 5 34 1 0 0 1 1 getGlobalIdx_grid_1D_x_block_1D_x() 1 1 2 3 5 36 1 0 0 1 0 getGlobalIdx_grid_1D_x_block_2D_xz()	27	0	1	1	0	1	1	0 0 0	3	4	7
29 0 1 1 1 getGlobalIdx_grid_2D_yz_block_2D_xz() 3 4 7 30 0 1 1 1 0 getGlobalIdx_grid_2D_yz_block_2D_xy() 3 4 7 31 0 1 1 1 1 getGlobalIdx_grid_2D_yz_block_3D_xyz() 4 7 11 32 1 0 0 0 0 getGlobalIdx_grid_1D_x() 0 0 0 0 33 1 0 0 0 1 getGlobalIdx_grid_1D_x_block_1D_x() 1 1 2 34 1 0 0 1 0 getGlobalIdx_grid_1D_x_block_1D_x() 1 1 2 35 1 0 0 1 1 getGlobalIdx_grid_1D_x_block_2D_yz() 2 3 5 36 1 0 0 1 getGlobalIdx_grid_1D_x_block_2D_xz() 2 3 5 38 1 0 0 1	28	0	1	1	1	0	0	0 0 0	2	3	5
31 0 1 1 1 1 getGlobalIdx_grid_2D_yz_block_3D_xyz() 4 7 11 32 1 0 0 0 0 getGlobalIdx_grid_1D_x() 0 0 0 33 1 0 0 0 1 getGlobalIdx_grid_1D_x_block_1D_x() 1 1 2 34 1 0 0 0 1 0 getGlobalIdx_grid_1D_x_block_1D_x() 1 1 2 35 1 0 0 0 1 1 getGlobalIdx_grid_1D_x_block_2D_yz() 2 3 5 36 1 0 0 1 0 getGlobalIdx_grid_1D_x_block_1D_x() 1 1 2 37 1 0 0 1 getGlobalIdx_grid_1D_x_block_2D_xz() 2 3 5 38 1 0 0 1 1 getGlobalIdx_grid_1D_x_block_2D_xy() 2 3 5 39 1 0 <t< td=""><td>29</td><td>0</td><td>1</td><td>1</td><td>1</td><td>0</td><td>1</td><td>getGlobalIdx_grid_2D_yz_block_2D_xz()</td><td>3</td><td>4</td><td>7</td></t<>	29	0	1	1	1	0	1	getGlobalIdx_grid_2D_yz_block_2D_xz()	3	4	7
32 1 0 0 0 getGlobalIdx_grid_1D_x() 0 0 0 33 1 0 0 0 1 getGlobalIdx_grid_1D_x_block_1D_x() 1 1 2 34 1 0 0 0 1 0 getGlobalIdx_grid_1D_x_block_1D_y() 1 1 2 35 1 0 0 1 1 getGlobalIdx_grid_1D_x_block_2D_yz() 2 3 5 36 1 0 0 1 0 getGlobalIdx_grid_1D_x_block_1D_x() 1 1 2 37 1 0 0 1 0 getGlobalIdx_grid_1D_x_block_2D_xy() 2 3 5 38 1 0 0 1 1 0 getGlobalIdx_grid_1D_x_block_2D_xy() 2 3 5 39 1 0 0 1 1 getGlobalIdx_grid_1D_x_block_3D_xyz() 3 6 9 40 1 0	30	0	1	1	1	1	0	getGlobalIdx_grid_2D_yz_block_2D_xy()	3	4	7
33 1 0 0 0 1 getGlobalIdx_grid_1D_x_block_1D_z() 1 1 2 34 1 0 0 0 1 0 getGlobalIdx_grid_1D_x_block_1D_y() 1 1 2 35 1 0 0 1 1 getGlobalIdx_grid_1D_x_block_2D_yz() 2 3 5 36 1 0 0 1 0 0 getGlobalIdx_grid_1D_x_block_1D_x() 1 1 2 37 1 0 0 1 0 getGlobalIdx_grid_1D_x_block_2D_xz() 2 3 5 38 1 0 0 1 1 getGlobalIdx_grid_1D_x_block_2D_xy() 2 3 5 39 1 0 0 1 1 getGlobalIdx_grid_1D_x_block_3D_xyz() 3 6 9 40 1 0 1 0 0 getGlobalIdx_grid_2D_xz_block_1D_z() 0 0 0 41 1	31	0	1	1	1	1	1	getGlobalIdx_grid_2D_yz_block_3D_xyz()	4	7	11
34 1 0 0 0 1 0 getGlobalIdx_grid_1D_x_block_1D_y() 1 1 2 35 1 0 0 1 1 getGlobalIdx_grid_1D_x_block_2D_yz() 2 3 5 36 1 0 0 1 0 0 getGlobalIdx_grid_1D_x_block_2D_yz() 1 1 2 37 1 0 0 1 1 0 getGlobalIdx_grid_1D_x_block_2D_xz() 2 3 5 38 1 0 0 1 1 0 getGlobalIdx_grid_1D_x_block_2D_xy() 2 3 5 39 1 0 0 1 1 getGlobalIdx_grid_1D_x_block_3D_xyz() 3 6 9 40 1 0 1 0 0 getGlobalIdx_grid_2D_xz_block_3D_xyz() 1 1 2 41 1 0 1 0 1 getGlobalIdx_grid_2D_xz_block_1D_x() 2 3 5 <t< td=""><td>32</td><td>1</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>getGlobalIdx_grid_1D_x()</td><td>0</td><td>0</td><td>0</td></t<>	32	1	0	0	0	0	0	getGlobalIdx_grid_1D_x()	0	0	0
34 1 0 0 1 0 getGlobalIdx_grid_1D_x_block_1D_y() 1 1 2 35 1 0 0 1 1 getGlobalIdx_grid_1D_x_block_2D_yz() 2 3 5 36 1 0 0 1 0 getGlobalIdx_grid_1D_x_block_1D_x() 1 1 2 37 1 0 0 1 0 1 getGlobalIdx_grid_1D_x_block_2D_xz() 2 3 5 38 1 0 0 1 1 0 getGlobalIdx_grid_1D_x_block_2D_xy() 2 3 5 39 1 0 0 1 1 getGlobalIdx_grid_1D_x_block_3D_xyz() 3 6 9 40 1 0 1 0 0 getGlobalIdx_grid_2D_xz() 1 1 2 41 1 0 1 0 1 getGlobalIdx_grid_2D_xz_block_1D_x() 0 0 0 42 1 <t< td=""><td>33</td><td>1</td><td>0</td><td>0</td><td>0</td><td>0</td><td>1</td><td>getGlobalIdx_grid_1D_x_block_1D_z()</td><td>1</td><td>1</td><td>2</td></t<>	33	1	0	0	0	0	1	getGlobalIdx_grid_1D_x_block_1D_z()	1	1	2
36 1 0 0 1 0 0 getGlobalIdx_grid_1D_x_block_1D_x() 1 1 2 37 1 0 0 1 0 1 getGlobalIdx_grid_1D_x_block_2D_xz() 2 3 5 38 1 0 0 1 1 0 getGlobalIdx_grid_1D_x_block_2D_xy() 2 3 5 39 1 0 0 1 1 1 getGlobalIdx_grid_1D_x_block_2D_xy() 3 6 9 40 1 0 1 0 0 0 getGlobalIdx_grid_2D_xz() 1 1 2 41 1 0 1 0 0 0 getGlobalIdx_grid_2D_xz_block_1D_z() 0 0 0 42 1 0 1 0 getGlobalIdx_grid_2D_xz_block_1D_y() 2 3 5 43 1 0 1 1 getGlobalIdx_grid_2D_xz_block_2D_yz() 3 4 7 <t< td=""><td>34</td><td>1</td><td>0</td><td>0</td><td>0</td><td>1</td><td>0</td><td></td><td>1</td><td></td><td>2</td></t<>	34	1	0	0	0	1	0		1		2
37 1 0 0 1 getGlobalIdx_grid_1D_x_block_2D_xz() 2 3 5 38 1 0 0 1 1 0 getGlobalIdx_grid_1D_x_block_2D_xy() 2 3 5 39 1 0 0 1 1 1 getGlobalIdx_grid_1D_x_block_3D_xyz() 3 6 9 40 1 0 1 0 0 0 getGlobalIdx_grid_2D_xz() 1 1 2 41 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	35	1	0	0	0	1	1	getGlobalIdx_grid_1D_x_block_2D_yz()	2	3	5
38 1 0 0 1 1 0 getGlobalIdx_grid_1D_x_block_2D_xy() 2 3 5 39 1 0 0 1 1 1 getGlobalIdx_grid_1D_x_block_3D_xyz() 3 6 9 40 1 0 1 0 0 0 getGlobalIdx_grid_2D_xz() 1 1 2 41 1 0 1 0 0 1 1 2 41 1 0 1 0 0 0 0 0 42 1 0 1 0 getGlobalIdx_grid_2D_xz_block_1D_y() 2 3 5 43 1 0 1 1 getGlobalIdx_grid_2D_xz_block_2D_yz() 3 4 7 44 1 0 1 1 getGlobalIdx_grid_2D_xz_block_2D_xz() 3 4 7 45 1 0 1 1 0 getGlobalIdx_grid_2D_xz_block_2D_xy() 3	36	1	0	0	1	0	0	getGlobalIdx_grid_1D_x_block_1D_x()	1	1	2
39 1 0 0 1 1 getGlobalIdx_grid_1D_x_block_3D_xyz() 3 6 9 40 1 0 1 0 0 getGlobalIdx_grid_2D_xz() 1 1 2 41 1 0 1 0 1 getGlobalIdx_grid_2D_xz_block_1D_z() 0 0 0 42 1 0 1 0 getGlobalIdx_grid_2D_xz_block_1D_y() 2 3 5 43 1 0 1 1 getGlobalIdx_grid_2D_xz_block_2D_yz() 3 4 7 44 1 0 1 1 0 getGlobalIdx_grid_2D_xz_block_1D_x() 2 3 5 45 1 0 1 1 0 getGlobalIdx_grid_2D_xz_block_2D_xz() 3 4 7 46 1 0 1 1 1 getGlobalIdx_grid_2D_xz_block_2D_xy() 3 4 7 47 1 0 1 1 1	37	1	0	0	1	0	1		2	3	5
40 1 0 1 0 0 getGlobalIdx_grid_2D_xz() 1 1 2 41 1 0 1 0 1 getGlobalIdx_grid_2D_xz_block_1D_x() 0 0 0 42 1 0 1 0 getGlobalIdx_grid_2D_xz_block_1D_y() 2 3 5 43 1 0 1 1 getGlobalIdx_grid_2D_xz_block_2D_yz() 3 4 7 44 1 0 1 1 0 getGlobalIdx_grid_2D_xz_block_1D_x() 2 3 5 45 1 0 1 1 0 getGlobalIdx_grid_2D_xz_block_2D_xz() 3 4 7 46 1 0 1 1 0 getGlobalIdx_grid_2D_xz_block_2D_xy() 3 4 7 47 1 0 1 1 1 getGlobalIdx_grid_2D_xz_block_3D_xyz() 4 7 11 48 1 1 0 0 0	38	1	0	0	1	1	0	getGlobalIdx_grid_1D_x_block_2D_xy()	2	3	5
41 1 0 1 0 1 getGlobalIdx_grid_2D_xz_block_1D_z() 0 0 0 42 1 0 1 0 getGlobalIdx_grid_2D_xz_block_1D_y() 2 3 5 43 1 0 1 0 1 1 getGlobalIdx_grid_2D_xz_block_2D_yz() 3 4 7 44 1 0 1 1 0 getGlobalIdx_grid_2D_xz_block_1D_x() 2 3 5 45 1 0 1 1 0 getGlobalIdx_grid_2D_xz_block_2D_xz() 3 4 7 46 1 0 1 1 1 getGlobalIdx_grid_2D_xz_block_2D_xy() 3 4 7 47 1 0 1 1 1 getGlobalIdx_grid_2D_xz_block_3D_xyz() 4 7 11 48 1 1 0 0 getGlobalIdx_grid_2D_xy() 1 1 2	39	1	0	0	1	1	1		3	6	9
42 1 0 1 0 getGlobalIdx_grid_2D_xz_block_1D_y() 2 3 5 43 1 0 1 0 1 1 getGlobalIdx_grid_2D_xz_block_2D_yz() 3 4 7 44 1 0 1 1 0 0 getGlobalIdx_grid_2D_xz_block_1D_x() 2 3 5 45 1 0 1 1 0 1 getGlobalIdx_grid_2D_xz_block_2D_xz() 3 4 7 46 1 0 1 1 1 getGlobalIdx_grid_2D_xz_block_2D_xy() 3 4 7 47 1 0 1 1 1 getGlobalIdx_grid_2D_xz_block_3D_xyz() 4 7 11 48 1 1 0 0 0 getGlobalIdx_grid_2D_xy() 1 1 2	40	1	0	1	0	0	0	getGlobalIdx_grid_2D_xz()	1	1	2
43 1 0 1 0 1 1 getGlobalIdx_grid_2D_xz_block_2D_yz() 3 4 7 44 1 0 1 1 0 getGlobalIdx_grid_2D_xz_block_1D_x() 2 3 5 45 1 0 1 1 0 1 getGlobalIdx_grid_2D_xz_block_2D_xz() 3 4 7 46 1 0 1 1 1 getGlobalIdx_grid_2D_xz_block_2D_xy() 3 4 7 47 1 0 1 1 1 getGlobalIdx_grid_2D_xz_block_3D_xyz() 4 7 11 48 1 1 0 0 0 getGlobalIdx_grid_2D_xy() 1 1 2	41	1	0	1	0	0	1	getGlobalIdx_grid_2D_xz_block_1D_z()	0	0	0
43 1 0 1 0 1 1 getGlobalIdx_grid_2D_xz_block_2D_yz() 3 4 7 44 1 0 1 1 0 getGlobalIdx_grid_2D_xz_block_1D_x() 2 3 5 45 1 0 1 1 0 1 getGlobalIdx_grid_2D_xz_block_2D_xz() 3 4 7 46 1 0 1 1 1 getGlobalIdx_grid_2D_xz_block_2D_xy() 3 4 7 47 1 0 1 1 1 getGlobalIdx_grid_2D_xz_block_3D_xyz() 4 7 11 48 1 1 0 0 0 getGlobalIdx_grid_2D_xy() 1 1 2	42	1	0	1	0	1	0	getGlobalIdx_grid_2D_xz_block_1D_y()	2	3	5
44 1 0 1 1 0 0 getGlobalIdx_grid_2D_xz_block_1D_x() 2 3 5 45 1 0 1 1 0 1 getGlobalIdx_grid_2D_xz_block_2D_xz() 3 4 7 46 1 0 1 1 1 0 getGlobalIdx_grid_2D_xz_block_2D_xy() 3 4 7 47 1 0 1 1 1 getGlobalIdx_grid_2D_xz_block_3D_xyz() 4 7 11 48 1 1 0 0 0 getGlobalIdx_grid_2D_xy() 1 1 2	43	1	0				1		3		
45 1 0 1 1 getGlobalIdx_grid_2D_xz_block_2D_xz() 3 4 7 46 1 0 1 1 1 0 getGlobalIdx_grid_2D_xz_block_2D_xy() 3 4 7 47 1 0 1 1 1 getGlobalIdx_grid_2D_xz_block_3D_xyz() 4 7 11 48 1 1 0 0 0 getGlobalIdx_grid_2D_xy() 1 1 2	44	1	0				0			3	5
46 1 0 1 1 0 getGlobalIdx_grid_2D_xz_block_2D_xy() 3 4 7 47 1 0 1 1 1 getGlobalIdx_grid_2D_xz_block_3D_xyz() 4 7 11 48 1 1 0 0 0 getGlobalIdx_grid_2D_xy() 1 1 2							1				
47 1 0 1 1 1 getGlobalIdx_grid_2D_xz_block_3D_xyz() 4 7 11 48 1 1 0 0 0 getGlobalIdx_grid_2D_xy() 1 1 2			0	1		1	0			4	
48 1 1 0 0 0 getGlobalIdx_grid_2D_xy() 1 1 2			0				1	0 0			11
				0	0	0	0	0 0 0			
								getGlobalIdx_grid_2D_xy_block_1D_z()			

Tabela 2: Número de operações realizadas para o cálculo do id global das threads

Id				ıfig	,		Função	Operação		Total
	gx	$\mathbf{g}\mathbf{y}$	$\mathbf{g}\mathbf{z}$	bx	by	\mathbf{bz}		add	mult	Total
50	1	1	0	0	1	0	$getGlobalIdx_grid_2D_xy_block_1D_y()$	2	3	5
51	1	1	0	0	1	1	$getGlobalIdx_grid_2D_xy_block_2D_yz()$	3	4	7
52	1	1	0	1	0	0	$getGlobalIdx_grid_2D_xy_block_1D_x()$	2	3	5
53	1	1	0	1	0	1	getGlobalIdx_grid_2D_xy_block_2D_xz()	3	4	7
54	1	1	0	1	1	0	getGlobalIdx_grid_2D_xy_block_2D_xy()	3	4	7
55	1	1	0	1	1	1	getGlobalIdx_grid_2D_xy_block_3D_xyz()	4	7	11
56	1	1	1	0	0	0	getGlobalIdx_grid_3D_xyz()	2	3	5
57	1	1	1	0	0	1	$getGlobalIdx_grid_3D_xyz_block_1D_z()$	3	4	7
58	1	1	1	0	1	0	getGlobalIdx_grid_3D_xyz_block_1D_y()	3	4	7
59	1	1	1	0	1	1	$getGlobalIdx_grid_3D_xyz_block_2D_yz()$	4	6	10
60	1	1	1	1	0	0	$getGlobalIdx_grid_3D_xyz_block_1D_x()$	3	4	7
61	1	1	1	1	0	1	getGlobalIdx_grid_3D_xyz_block_2D_xz()	4	6	10
62	1	1	1	1	1	0	getGlobalIdx_grid_3D_xyz_block_2D_xy()	4	6	10
63	1	1	1	1	1	1	getGlobalIdx_grid_3D_xyz_block_3D_xyz()	5	9	14