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MUST解析結果のまとめ（その１）

表１　標準解析条件

Geometry	Total size of Computational domain	Length (stream wise)		4.0 m
		Width (span wise)		4.0 m
		Height		0.8 m
		Full scale (FS)/Wind tunnel scale (WS)		WS
	Individual geometrical characteristics of BC within computational domain	Distance of inlet upstream of container array		5H
		Distance of outlet downstream of container array		13H
		Distance of top boundary above containers		23.5H
		Distance of lateral boundary		8.4H
	Source	Diameter		0.01m
		Exit velocity		0.0424m/s
Boundary conditions	Ground surfaces / Buildings walls			Wall function
	Inlet plane			Experimental value
	Outlet plane			Outflow
	Lateral plane / Top plane			Symmetry
Physical parameter	Reynolds-number h_cont*U_in(z_ref)/nu		Value	18,133
			reference length	Hc=0.034m, U_{ref}=8.0m/s
	Turbulence model	Model class		Linear 2-equation model
		Wall treatment		Standard wall functions
		Turbulence model		Standard k-eps
	Schmidt number			0.9
Numerical parameters	Resolution in grid points	Containers	Length	~12
			Width	~4
			Height	~10
		Between containers	Streamwise	~12
			Lateral	~8
	Cells heights / height of containers	Container walls (Streamwise, Lateral, Roof)		~0.002m
		floor		~0.002m
	Expansion ratio / cell volume change			<=1.3
	Total cells (FV) / grid points (FD)			~1.300.000
	Approximations			2nd order upwind
	Convergence			0.000001 (10-7)

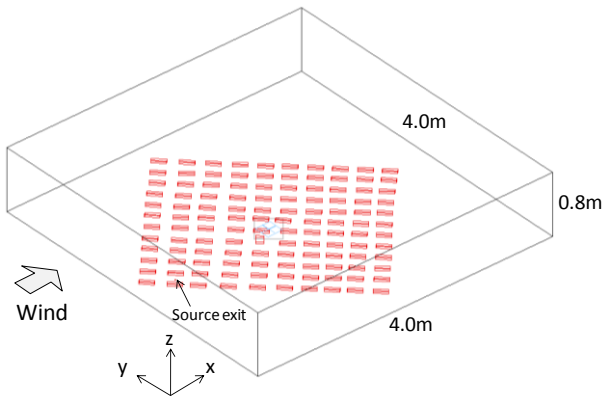

表１　標準解析領域