

Figure 1 is a 10x10 grid representing relationships between 10 physical quantities. The quantities are listed along the top and left sides of the grid. The grid contains 'x' marks and star symbols with numbers indicating specific relationships.

	occupancy	motion	position	displacement	level	velocity	acceleration	force	pressure	flow	acoustic	humidity	moisture	light	radiation	temperature	chemicals
occupancy	x	1	x														
motion	x	x	x														
position				x													
displacement																	
level																	
velocity							x										
acceleration						x	x										
force						x	x										
pressure																	
flow																	
acoustic																	
humidity																	
moisture																	
light																	
radiation																	
temperature																	
chemicals																	

Star symbols with numbers are located at the following intersections (row, column):

- (motion, occupancy): 1
- (position, displacement): x
- (velocity, acceleration): x
- (acceleration, force): x
- (force, pressure): x
- (pressure, flow): x
- (flow, acoustic): x
- (acoustic, humidity): x
- (humidity, moisture): x
- (moisture, light): x
- (light, radiation): x
- (radiation, temperature): x
- (temperature, chemicals): x
- (occupancy, motion): 1
- (motion, position): x
- (position, displacement): x
- (displacement, level): x
- (level, velocity): x
- (velocity, acceleration): x
- (acceleration, force): x
- (force, pressure): x
- (pressure, flow): x
- (flow, acoustic): x
- (acoustic, humidity): x
- (humidity, moisture): x
- (moisture, light): x
- (light, radiation): x
- (radiation, temperature): x
- (temperature, chemicals): x
- (occupancy, motion): 1
- (motion, position): x
- (position, displacement): x
- (displacement, level): x
- (level, velocity): x
- (velocity, acceleration): x
- (acceleration, force): x
- (force, pressure): x
- (pressure, flow): x
- (flow, acoustic): x
- (acoustic, humidity): x
- (humidity, moisture): x
- (moisture, light): x
- (light, radiation): x
- (radiation, temperature): x
- (temperature, chemicals): x
- (occupancy, motion): 1
- (motion, position): x
- (position, displacement): x
- (displacement, level): x
- (level, velocity): x
- (velocity, acceleration): x
- (acceleration, force): x
- (force, pressure): x
- (pressure, flow): x
- (flow, acoustic): x
- (acoustic, humidity): x
- (humidity, moisture): x
- (moisture, light): x
- (light, radiation): x
- (radiation, temperature): x
- (temperature, chemicals): x
- (occupancy, motion): 1
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- (position, displacement): x
- (displacement, level): x
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- (light, radiation): x
- (radiation, temperature): x
- (temperature, chemicals): x
- (occupancy, motion): 1
- (motion, position): x
- (position, displacement): x
- (displacement, level): x
- (level, velocity): x
- (velocity, acceleration): x
- (acceleration, force): x</

	1	2	3	4	5	6	7	8	9
transparent	x	1	x						
translucent	x	x	x	x					1
opaque									
color		★						x	
rigid						x		2,3	★
flexible			4	5	x	x	x	6	x
isolator									
resistor									x
conductor	7	★				x			x
solid								x	
sparse							x		
hollow	x			x		6	x	x	
multiple materials								x	1
blending materials									x
2D			x						
2.5D			x	x		x			
3D (partial)			8	x		x			
3D (full)		★	x	x	x	x	9		