

Naming convention based on The Elements of MATLAB Style [EMS]

type	Purpose	Convention	Example	Reference in EMS
variables & parameters	General variable names	lowerCamelCase	lengthSpring; stepSize; delta	Chapter 3: 41, 42.
	number of items	start with n	nFiles; nNodes; nElements	Chapter 3: 46.
	iteration counter	start with i, j (usually i for row and j for column index)	iElement; jNode	Chapter 3: 45, 50.
	current variable in a loop	prefix this	thisElement = elements(iElement)	Chapter 3: 48.
Constants	Constant Names with Local Scope	Uppercase, underscore separator	MAX_ITERATIONS	Chapter 3: 59-63.
		Lowercase names can be used in domain-specific applications if the most common representation of the constant is in lowercase.	c for the speed of light	
Structures and cell arrays	Struct name	UpperCamelCase	Setup; ElementsTable	Chapter 3: 64.
	field name in a struct	use naming convention for variables, unless the field is itself a struct	Setup.ElementsTable(iElement).nodes	Chapter 3: 65, 66
	cell array	use naming convention for variables	greeting{1} = 'hello'	Chapter 3: 67.
functions and methods	user-defined	lowercase, underscore separated	average(); compute_equilibrium();	This is against the suggested convention EMS, but we would like keep this to improve readability and avoid confusion with variable names
	boolean function	use prefix is, has, can etc.	is_updated(); has_license();	
Classes	Class Name	UpperCamelCase	Robert = AccountManager(...);	Chapter 3: 78.
	properties	use naming convention for variables, unless the field is itself a class or struct object	Robert.salary = 'sufficient';	Chapter 3: 81.
	methods	use naming convention for functions	Rober.update_salary();	