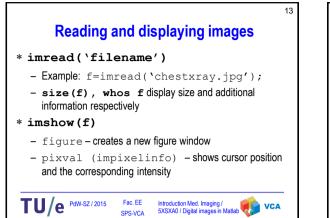
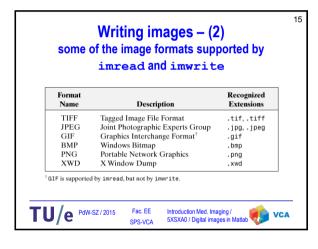
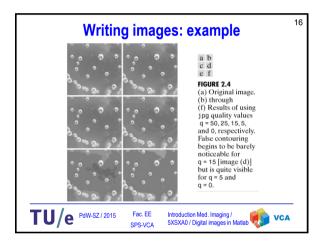


VCA

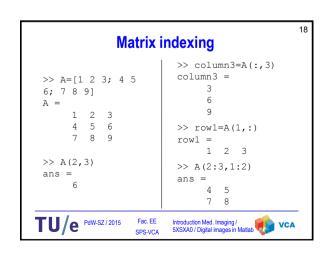


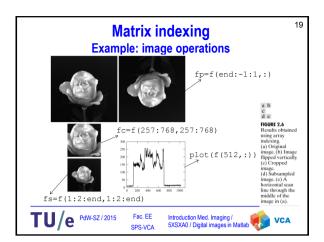






Array indexing		
>> v=[1 3 5 7 9]	>> v(1:2:end)	
v =	ans =	
1 3 5 7	1 5 9	
>> v(3)	>> v(end:-2:1)	
ans =	ans =	
5	9 5 1	
>> v(2:4)	>> x=linspace(1,10,4)	
ans =	x =	
3 5 7	1 4 7 10	

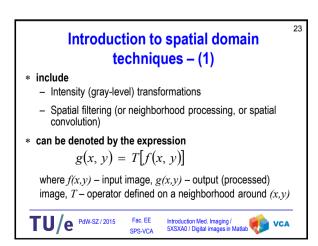


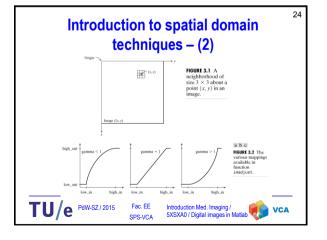


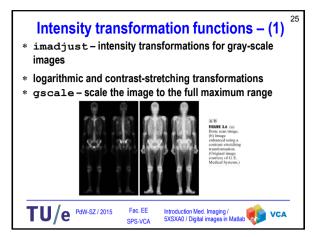
Operator	Name	MATLAB Function	Comments and Examples		2
+	Array and matrix addition	plus(A,B)	a + b, A + B, or a + A.	Organstana (4)	
-	Array and matrix subtraction	minus(A,B)	a-b, A-B, A-a, or a-A.	Operators – (1)	
.*	Array multiplication	times(A, B)	C=A.*B,C(I,J) =A(I,J)*B(I,J).		
	Matrix multiplication	mtimes(A, B)	A*B, standard matrix multiplication, or a*A, multiplication of a scalar times all elements of A.		
./	Array right division	rdivide(A, B)	C=A./B,C(I,J) =A(I,J)/B(I,J).		
- 1	Array left division	ldivide(A, B)	C=A.\B,C(I,J) =B(I,J)/A(I,J).		
/	Matrix right division	mrdivide(A,B)	A/B is roughly the same as A*inv(B), depending on computational accuracy		
`	Matrix left division	mldivide(A,B)	A\B is roughly the same as inv(A)*B, depending on computational accuracy		
.*	Array power	power(A, B)	If C = A. B, then C(I, J) = A(I, J) B(I, J).		
^	Matrix power	mpower(A, B)	See online help for a discussion of this operator.		
· '	Vector and matrix transpose	transpose(A)	A.1. Standard vector and matrix transpose.		
	Vector and matrix complex conjugate transpose	ctranspose(A)	A'. Standard vector and matrix conjugate transpose When A is real A.' = A'.		
+	Unary plus	uplus (A)	+A is the same as 0 + A.		
-	Unary minus	uninus (A)	-A is the same as 0 - A or -1*A.		
	Colon		Discussed in Section 2.8.		
Т		dW-SZ / 2015		Introduction Med. Imaging /	
	0/5		SPS-VCA	5XSXA0 / Digital images in Matlab	

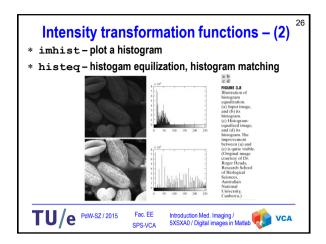
	Operator	Name	Operator	Name	
ABLE 2.6	<	Less than			TABLE 2.7
Relational	<=	Less than or equal to	8	AND	Logical operators
operators.	>	Greater than		OR	
Perdors.	>=	Greater than or equal to	-	NOT	
		Equal to Not equal to			
-	unction exclusive OR)	Comments The xor function returns a 1 only if both operands are			
	,	logically different; otherwise xor returns a 0.			
all		The all function returns a 1 if all the elements in a vector are nonzero; otherwise all returns a 0. This function operates columnwise on matrices.			TABLE 2.8
any		The any function returns a 1 if any of the elements in a vector is nonzero; otherwise any returns a 0. This function operates columnwise on matrices.			Logical functions.

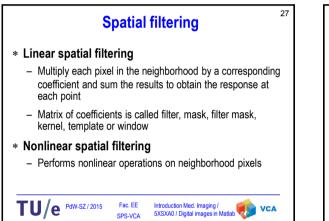
	Flow control	
Statement	Description	
if	if, together with else and elseif, executes a group of statements based on a specified logical condition.	
for	Executes a group of statements a fixed (specified) number of times.	
while	Executes a group of statements an indefinite number of times, based on a specified logical condition.	
break	Terminates execution of a for or while loop.	
continue	Passes control to the next iteration of a for or while loop, skipping any remaining statements in the body of the loop. switch, together with case and otherwise, executes different groups of statements, depending on a specified value or string.	
switch		
return	Causes execution to return to the invoking function.	
trycatch	Changes flow control if an error is detected during execution.	

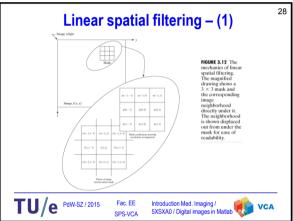


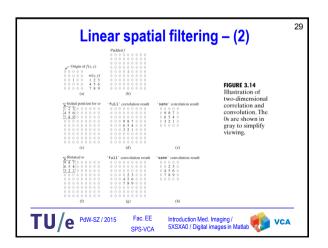


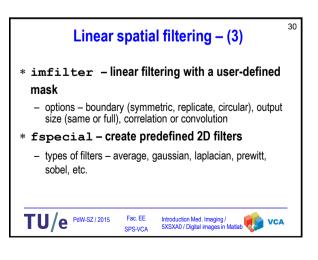












Nonlinear spatial           * ordfilt2 - 2D order-statistic	•
- g=ordfilt2(f,1,ones(m, * medfilt2 - 2D median filter	n) ) — min filter Formation (1997) Recent 1.0 Median (1997) Median (1997) (1) X-ray mages (1) X-ray mages (2) Secult of mode pepper noise. (2) Secult of modian (1997) modian (1997) modian (1997) mage extension option. Note the improvement in between (0) and (c). (Original image courters) of Las, Ins.)
	Med. Imaging / igital images in Matlab

