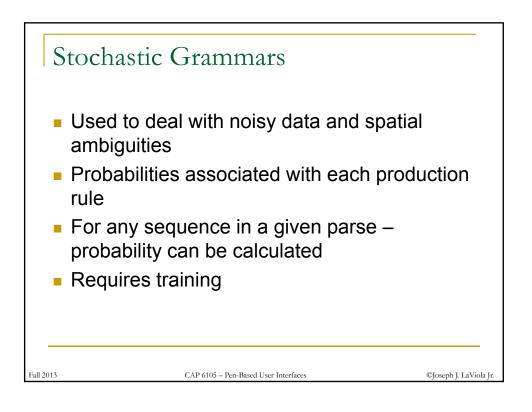
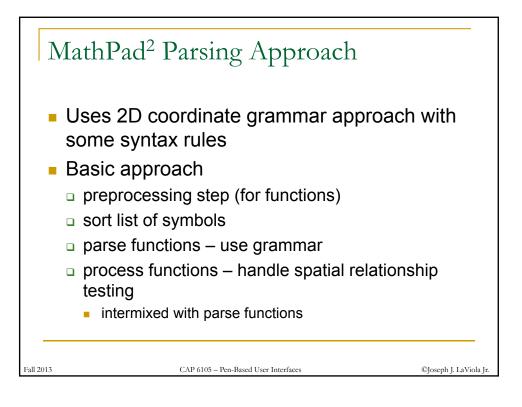


Proced	urally Coded Syntax R	ules
similar	ations about domain coded prog to rule based approach for recognitic rule for horizontal line	
A length three short or lo	shold of 20 pixels is used to classify a ho ng bar.	rizontal line as a
If it is a long l division.	oar and has symbols above and below, it	is treated as a
If there are no	o symbols above, it is treated as a boolea	n negation.
If a short bar sign.	has no symbols above or below, it is trea	ted as minus
If it has symb \leq , and \geq a	ols above or below, the combination sym re formed.	bols such as =,
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<math_formula></math_formula>	::= <equation> <expression></expression></equation>
<equation></equation>	<pre>::= <expression> <relational_op> <expression> </expression></relational_op></expression></pre>
<relational_op></relational_op>	::= ((-)) ((-))
<cond_expression></cond_expression>	::= ''{'' <cond_statement></cond_statement>
<cond_statement></cond_statement>	<pre>::= ''if'' <expression> '':'' <logic_expression> {''elseif'' <expression> '':'' <logic_expression> } <expression> '': else''</expression></logic_expression></expression></logic_expression></expression></pre>
<logic_expression></logic_expression>	::= <equation> <logical_op> <logic_expression> <equation></equation></logic_expression></logical_op></equation>
<logic_op></logic_op>	::= ('and') ('or')
<expression></expression>	<pre>::= <term> ''+'' <expression> </expression></term></pre>
<term></term>	<pre>::= <factor> ``*'' <term> </term></factor></pre>
<factor></factor>	<pre>::= <sub_expression> ''/'' <factor> </factor></sub_expression></pre>
<sub_expression></sub_expression>	::= <integral> <derivative> <summation> <function> <terminal></terminal></function></summation></derivative></integral>

<integral></integral>	::= ''int('' <expression> '','' <variable> '')'' </variable></expression>
	<pre>''int('' <expression> '','' <variable> '',''</variable></expression></pre>
<derivative></derivative>	
	<pre>''diff('' <expression> '','' <variable> '',''</variable></expression></pre>
	<integer> (')''</integer>
<summation></summation>	::= ''sum('' <expression> '')'' </expression>
	<pre>''sum('' <expression> '','' <expression> '',''</expression></expression></pre>
<function></function>	::= <func_name> '((' <expression> '')''</expression></func_name>
<func_name></func_name>	::= ''sqrt'' ''abs'' ''log'' ''exp''
	''sin'' ''cos'' ''tan'' ''asin''
	''acos'' ''atan''
<terminal></terminal>	::= <variable> <number></number></variable>
<variable></variable>	::= <letter> </letter>
	<letter> ``_`` {<integer>} {<letter>} {<integer>}</integer></letter></integer></letter>
<number></number>	
	<pre><integer> ``.'' <unsigned_int></unsigned_int></integer></pre>
<integer></integer>	
<unsigned_int></unsigned_int>	::= <digit> <unsigned_int> <digit></digit></unsigned_int></digit>
<sign></sign>	
<digit></digit>	::= [0-9]
<letter></letter>	::= [a-z] [A-Z] [alpha-zeta]

