

Listing 1: Example code

```

1 <math xmlns='http://www.w3.org/1998/Math/MathML'>
2   <mtext>IV.d
3 </mtext>
4 </math>
5 <math xmlns='http://www.w3.org/1998/Math/MathML'
6   mathematica:form='StandardForm'
7   xmlns:mathematica='http://www.wolfram.com/XML/'>
8   <mrow>
9     <msup>
10      <mi>D</mi>
11      <mrow>
12        <mo>-</mo>
13        <mn>1</mn>
14      </mrow>
15    </msup>
16    <mo>=</mo>
17  </mrow>
18 </math>
19 <math xmlns='http://www.w3.org/1998/Math/MathML'>
20   <mtext> </mtext>
21 </math>
22 <math xmlns='http://www.w3.org/1998/Math/MathML'
23   mathematica:form='StandardForm'
24   xmlns:mathematica='http://www.wolfram.com/XML/'>
25   <mrow>
26     <mrow>
27       <mfrac>
28         <mn>1</mn>
29         <mrow>
30           <mrow>
31             <mrow>
32               <mi>Cos</mi>
33               <mo>[</mo>
34               <mi>&#952;</mi>
35               <mo>]</mo>
36             </mrow>
37             <mo>&#8290;</mo>
38             <mrow>
39               <mo>(</mo>
40               <mrow>
41                 <mi>Cos</mi>
42                 <mo>[</mo>
43                 <mi>&#952;</mi>
44                 <mo>]</mo>
45               </mrow>
46               <mo>)</mo>
47             </mrow>
48             <mo>)</mo>
49           </mrow>
50           <mo>-</mo>
51         </mrow>

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51      <mrow>
52      <mo>(</mo>
53      <mrow>
54      <mo>-</mo>
55      <mrow>
56      <mi>Sin</mi>
57      <mo>[</mo>
58      <mi>&#952;</mi>
59      <mo>]</mo>
60      </mrow>
61      </mrow>
62      <mo>)</mo>
63      </mrow>
64      <mo>&#8290;</mo>
65      <mrow>
66      <mo>(</mo>
67      <mrow>
68      <mi>Sin</mi>
69      <mo>[</mo>
70      <mi>&#952;</mi>
71      <mo>]</mo>
72      </mrow>
73      <mo>)</mo>
74      </mrow>
75      </mrow>
76      </mrow>
77      </mfrac>
78      <mo>&#8290;</mo>
79      <mrow>
80      <mo>(</mo>
81      <mtable>
82      <mtr>
83      <mtd>
84      <mrow>
85      <mi>Cos</mi>
86      <mo>[</mo>
87      <mi>&#952;</mi>
88      <mo>]</mo>
89      </mrow>
90      </mtd>
91      <mtd>
92      <mrow>
93      <mi>Sin</mi>
94      <mo>[</mo>
95      <mi>&#952;</mi>
96      <mo>]</mo>
97      </mrow>
98      </mtd>
99      </mtr>
100     <mtr>
101     <mtd>
102     <mrow>

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103     <mo>--</mo>
104     <mrow>
105         <mi>Sin</mi>
106         <mo>[</mo>
107         <mi>&#952;</mi>
108         <mo>]</mo>
109     </mrow>
110 </mrow>
111 </mtd>
112 <mtd>
113     <mrow>
114         <mi>Cos</mi>
115         <mo>[</mo>
116         <mi>&#952;</mi>
117         <mo>]</mo>
118     </mrow>
119 </mtd>
120 </mtr>
121 </mtable>
122 <mo>)</mo>
123 </mrow>
124 </mrow>
125 <mo>=</mo>
126 </mrow>
127 </math>
128 <math xmlns='http://www.w3.org/1998/Math/MathML'>
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130 </math>
131 <math xmlns='http://www.w3.org/1998/Math/MathML'
132   mathematica:form='StandardForm'
133   xmlns:mathematica='http://www.wolfram.com/XML/'>
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135     <mrow>
136       <mfrac>
137         <mn>1</mn>
138         <mrow>
139           <msup>
140             <mrow>
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142               <mo>[</mo>
143               <mi>&#952;</mi>
144               <mo>]</mo>
145             </mrow>
146             <mn>2</mn>
147           </msup>
148           <mo>+</mo>
149           <msup>
150             <mrow>
151               <mi>Sin</mi>
152               <mo>[</mo>
153               <mi>&#952;</mi>
154               <mo>]</mo>

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155     </mrow>
156     <mn>2</mn>
157   </msup>
158 </mrow>
159 </mfrac>
160 <mo>⋅</mo>
161 <mrow>
162   <mo>(</mo>
163   <mtable>
164     <mtr>
165       <mtd>
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167           <mi>Cos</mi>
168           <mo>[</mo>
169           <mi>⋅</mi>
170           <mo>]</mo>
171         </mrow>
172       </mtd>
173       <mtd>
174         <mrow>
175           <mi>Sin</mi>
176           <mo>[</mo>
177           <mi>⋅</mi>
178           <mo>]</mo>
179         </mrow>
180       </mtd>
181     </mtr>
182   <mtr>
183     <mtd>
184       <mrow>
185         <mo>-</mo>
186         <mrow>
187           <mi>Sin</mi>
188           <mo>[</mo>
189           <mi>⋅</mi>
190           <mo>]</mo>
191         </mrow>
192       </mrow>
193     </mtd>
194     <mtd>
195       <mrow>
196         <mi>Cos</mi>
197         <mo>[</mo>
198         <mi>⋅</mi>
199         <mo>]</mo>
200       </mrow>
201     </mtd>
202   </mtr>
203 </mtable>
204 <mo>)</mo>
205 </mrow>
206 </mrow>

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207 <mo>=</mo>
208 </mrow>
209 </math>
210 <math xmlns='http://www.w3.org/1998/Math/MathML'>
211 <mtext> </mtext>
212 </math>
213 <math xmlns='http://www.w3.org/1998/Math/MathML'
214     mathematica:form='StandardForm'
215     xmlns:mathematica='http://www.wolfram.com/XML/'>
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218 <mo>(</mo>
219 <mtable>
220 <mtr>
221 <mt>
222 <mfrac>
223 <mrow>
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225 <mo>[</mo>
226 <mi>&#952;</mi>
227 <mo>]</mo>
228 </mrow>
229 <mrow>
230 <msup>
231 <mrow>
232 <mi>Cos</mi>
233 <mo>[</mo>
234 <mi>&#952;</mi>
235 <mo>]</mo>
236 </mrow>
237 <mn>2</mn>
238 </msup>
239 <mo>+</mo>
240 <msup>
241 <mrow>
242 <mi>Sin</mi>
243 <mo>[</mo>
244 <mi>&#952;</mi>
245 <mo>]</mo>
246 </mrow>
247 <mn>2</mn>
248 </msup>
249 </mrow>
250 </mfrac>
251 </mtd>
252 <mtd>
253 <mfrac>
254 <mrow>
255 <mi>Sin</mi>
256 <mo>[</mo>
257 <mi>&#952;</mi>
258 <mo>]</mo>

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```

259 </mrow>
260 <mrow>
261   <msup>
262     <mrow>
263       <mi>Cos</mi>
264       <mo>[</mo>
265       <mi>&#952;</mi>
266       <mo>]</mo>
267     </mrow>
268     <mn>2</mn>
269   </msup>
270   <mo>+</mo>
271   <msup>
272     <mrow>
273       <mi>Sin</mi>
274       <mo>[</mo>
275       <mi>&#952;</mi>
276       <mo>]</mo>
277     </mrow>
278     <mn>2</mn>
279   </msup>
280 </mrow>
281 </mfrac>
282 </mtd>
283 </mtr>
284 <mtr>
285   <mtd>
286     <mrow>
287       <mo>-</mo>
288     <mfrac>
289       <mrow>
290         <mi>Sin</mi>
291         <mo>[</mo>
292         <mi>&#952;</mi>
293         <mo>]</mo>
294       </mrow>
295       <mrow>
296         <msup>
297           <mrow>
298             <mi>Cos</mi>
299             <mo>[</mo>
300             <mi>&#952;</mi>
301             <mo>]</mo>
302           </mrow>
303           <mn>2</mn>
304         </msup>
305         <mo>+</mo>
306         <msup>
307           <mrow>
308             <mi>Sin</mi>
309             <mo>[</mo>
310             <mi>&#952;</mi>

```

```

311         <mo>]</mo>
312     </mrow>
313     <mn>2</mn>
314 </msup>
315 </mrow>
316 </mfrac>
317 </mrow>
318 </mtd>
319 <mtd>
320 <mfrac>
321 <mrow>
322 <mi>Cos</mi>
323 <mo>[</mo>
324 <mi>&#952;</mi>
325 <mo>]</mo>
326 </mrow>
327 <mrow>
328 <msup>
329 <mrow>
330 <mi>Cos</mi>
331 <mo>[</mo>
332 <mi>&#952;</mi>
333 <mo>]</mo>
334 </mrow>
335 <mn>2</mn>
336 </msup>
337 <mo>+</mo>
338 <msup>
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342 <mi>&#952;</mi>
343 <mo>]</mo>
344 </mrow>
345 <mn>2</mn>
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    ;2&quot;]]], FractionBox[RowBox[List[&quot;Sin&quot;, &quot;[&quot;, &quot;\[Theta]&quot;,
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    RowBox[List[&quot;Sin&quot;, &quot;[&quot;, &quot;\[Theta]&quot;, &quot;]&quot;]], &quot;

```

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;2&quot;]]]], List[RowBox[List[&quot;−&quot;, FractionBox[RowBox[List[&quot;Sin&quot;, &
quot;[&quot;, &quot;[&quot;[Theta]&quot;, &quot;]&quot;]], RowBox[List[SuperscriptBox[RowBox[
List[&quot;Cos&quot;, &quot;[&quot;, &quot;[&quot;[Theta]&quot;, &quot;]&quot;]], &quot;2&quot;],
&quot;+&quot;, SuperscriptBox[RowBox[List[&quot;Sin&quot;, &quot;[&quot;, &quot;[Theta]
&quot;, &quot;]&quot;]], &quot;2&quot;]]]], FractionBox[RowBox[List[&quot;Cos&quot;, &
quot;[&quot;, &quot;[&quot;[Theta]&quot;, &quot;]&quot;]], RowBox[List[SuperscriptBox[RowBox[
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&quot;+&quot;, SuperscriptBox[RowBox[List[&quot;Sin&quot;, &quot;[&quot;, &quot;[Theta]
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355 </semantics>

356 </math>
