

erratum

MathML Correction

In Hans Hagen's article on MathML processing in CONTEXT, there were four example files missing due to an error in the production process. Here they are, with our apologies to Hans Hagen.

File pc-i-380.xml, processed, on page 69:

$$\int \frac{1}{\cos(ax) 1 \pm \sin(ax)} dx = \mp \frac{1}{2a 1 \pm \sin(ax)} + \frac{1}{2a} \log \tan \left(\frac{\pi}{4} + \frac{ax}{2} \right)$$

File pc-i-380.xml, source, on page 69:

```
<math>
  <apply> <eq/>
    <apply> <int/>
      <bvar> <ci> x </ci> </bvar>
      <apply> <divide/>
        <cn> 1 </cn>
        <apply> <times/>
          <apply> <cos/>
            <apply> <times/>
              <ci> a </ci>
              <ci> x </ci>
            </apply>
          </apply>
        </apply>
      <apply> <fn> <ci> &plusminus; </ci> </fn>
        <cn> 1 </cn>
        <apply> <sin/>
          <apply> <times/>
            <ci> a </ci>
            <ci> x </ci>
          </apply>
        </apply>
      </apply>
    </apply>
  <apply> <plus/>
    <apply> <fn> <ci> &minusplus; </ci> </fn>
      <apply> <divide/>
        <cn> 1 </cn>
        <apply> <times/>
          <cn> 2 </cn>
          <ci> a </ci>
          <apply> <fn> <ci> &plusminus; </ci> </fn>
            <cn> 1 </cn>
            <apply> <sin/>
```


File pc-s-001.xml, processed, on page 80:

$$1 - \frac{1}{3} + \frac{1}{5} - \frac{1}{7} + \dots = \frac{\pi}{4}$$

File pc-s-001.xml, source, on page 80:

```
<math>
  <apply> <eq/>
    <apply> <plus/>
      <cn> 1 </cn>
      <apply> <minus/>
        <apply> <divide/>
          <cn> 1 </cn>
          <cn> 3 </cn>
        </apply>
      </apply>
    <apply> <divide/>
      <cn> 1 </cn>
      <cn> 5 </cn>
    </apply>
  <apply> <minus/>
    <apply> <divide/>
      <cn> 1 </cn>
      <cn> 7 </cn>
    </apply>
  <apply>
    <ci> &cdots; </ci>
  </apply>
  <apply> <divide/>
    <ci> &pi; </ci>
    <cn> 4 </cn>
  </apply>
</apply>
</math>
```

File wh-g-001.xml, processed, on page 82:

$$\sin(x + y) = \sin x \cos y + \cos x \sin y$$

File wh-g-001.xml, source, on page 82:

```
<math>
  <apply> <eq/>
    <apply> <sin/>
      <apply> <plus/>
        <ci> x </ci>
        <ci> y </ci>
      </apply>
    </apply>
    <apply> <plus/>
      <apply> <times/>
        <apply> <sin/>
          <ci> x </ci>
        </apply>
        <apply> <cos/>
          <ci> y </ci>
        </apply>
      </apply>
      <apply> <times/>
        <apply> <cos/>
          <ci> x </ci>
        </apply>
        <apply> <sin/>
          <ci> y </ci>
        </apply>
      </apply>
    </apply>
  </math>
```

File wh-m-002.xml, processed, on page 98:

$$|I| = \begin{vmatrix} 1 & 0 \\ 0 & 1 \end{vmatrix} = 1$$

File wh-m-002.xml, source, on page 98:

```
<math>
  <apply> <eq/>
    <apply> <determinant/>
      <ci> I </ci>
    </apply>
  <apply> <determinant/>
    <matrix>
      <matrixrow> <cn> 1 </cn> <cn> 0 </cn> </matrixrow>
      <matrixrow> <cn> 0 </cn> <cn> 1 </cn> </matrixrow>
    </matrix>
  </apply>
  <cn> 1 </cn>
</apply>
</math>
```