

Pensieve header: A bug in how Mathematica saves subsuperscript boxes.

Dear Mathematica People,

There is a bug around how Mathematica 11.0 saves Subsuperscripts in automatically-generated .m files. For example, I have an initialization cell containing:

```
f[k_] := a uk2;
```

When I evaluate f[k], I get:

$$a u_k^2$$

But if I save the notebook and read the resulting .m file, I get:

$$a$$

and the subsuperscript part is dropped.

See a PDF printout of a complete notebook at <http://drorbn.net/AcademicPensieve/Projects/Mathematica/nb/SubsuperscriptBug.pdf>, and the notebook itself at <http://drorbn.net/AcademicPensieve/Projects/Mathematica/SubsuperscriptBug.nb>.

Sincerely,

Dror Bar-Natan.

```
f[k_] := a uk2;  
g[k_] := a uk2;  
h[k_] := a * uk2;
```

```
{f[k], g[k], h[k]}
```

```
{a uk2, a uk2, a uk2}
```

```
SetDirectory["C:\\drorbn\\AcademicPensieve\\Projects\\Mathematica"]
```

```
<< SubsuperscriptBug.m
```

```
C:\\drorbn\\AcademicPensieve\\Projects\\Mathematica
```

```
{f[k], g[k], h[k]}
```

```
{a, a uk2, a uk2}
```