

# Snippet definitions

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**mpfdef**

**type-synonym** *mpf* = *float* × *float list*

**typmpf**

*MPF.mpf*

**approxdef**

**fun** *approx* :: *mpf* ⇒ *float* **where**  
    *approx* (*a*, *es*) = *a*

**constapprox**

*approx*

**IEEE** *IEEE*

**HOLreal** *real*

## 1 Primary and secondary style

This is the primary style. *float* = {*real-of-int* *m* \* 2<sup>*powr real-of-int e*</sup> | *m* *e*. *True*}

This is the secondary one. *float* = {*real-of-int* *m* \* 2<sup>*powr real-of-int e*</sup> | *m* *e*. *True*}

## 2 Test snippets

**float def**

$\text{definition } \textit{float} = \{ \textit{real-of-int } m * 2^{\textit{powr real-of-int } e} \mid m \textit{ e. True} \}$

**definition**  $\textit{float}' = \{ \textit{real-of-int } m * 2^{\textit{powr real-of-int } e} \mid m \textit{ e. True} \}$

**float type**

*IEEE.float*

**float typeof**

*real set*

**float typ**

*IEEE.float*

**MLreal**

**real**

**prf**

**prft**

*?*

**TestSnippet**

**definition**  $ym = Plus-zero$