Difference Floating Data Types

Floating: Lesser storage of 32 bits. 7 decimal digits of precision, distribution: exponent 8 bits, Mantissa 23bits. Range 1.4e-045 to 3.4e+038.

Double: More storage of 64 bits. Twice the precision of floating (15 decimal digits of precision), distribution: exponent 11bits, Mantissa 52bits. Range 4.9e-324 to 1.8e+308

No data loss when convert from float to double, but will be vice versa.