Gas Phase Complexes of $\text{H}_3\text{N}\cdots\text{CuF}$ and $\text{H}_3\text{N}\cdots\text{CuI}$ Studied by Rotational Spectroscopy and Ab Initio Calculations: The Effect of X (X = F, Cl, Br, I) in OC\cdots\text{CuX} and $\text{H}_3\text{N}\cdots\text{CuX}$

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Supplementary Information: High Resolution Fourier Transform Window Function

The program code used to apply the high resolution Fourier transform window function is shown below (as Python script).

```python
def f1(x):
    return (1/(numpy.exp(1/x)-1))

def f2(x):
    return (1/x**4.5)

def f(x):
    return f1(x)*f2(x)

def high_res_window(Npoints):
    x = numpy.arange(0,1,1./Npoints)
    y = f(x)
    y[0] = 0
    maximum = max(y)
    y = y/maximum
    plateau_start = numpy.argwhere(y == max(y))
    y[plateau_start:Npoints] = max(y)
    return y
```