# Documents

[NumericalFirstDerivatives.docx](file:///C:\Users\Public\public_html\Derivatives\NumericalFirstDerivatives.docx) [.xml](file:///C:\Users\Public\public_html\Derivatives\NumericalFirstDerivatives.xml) 🡨size of δ to use for (f(x+δ)-f(x-δ))/(2δ)

[NumericalSecondDerivatives.docx](file:///C:\Users\Public\public_html\Derivatives\NumericalSecondDerivatives.docx) [.xml](file:///C:\Users\Public\public_html\Derivatives\NumericalSecondDerivatives.xml) 🡨 size of δ to use for (f(x+δ)+f(x-δ)=2f(x))/δ2

[5point3der.docx](file:///C:\Users\Public\public_html\Derivatives\5point3der.docx) [.xml](file:///C:\Users\Public\public_html\Derivatives\5point3der.xml)

# Zips

[GDc1st.zip](file:///C:\Users\Public\public_html\Derivatives\GDc1st.zip)

[GDc1stPlot.zip](file:///C:\Users\Public\public_html\Derivatives\GDc1stPlot.zip)

[GDc2nd.zip](file:///C:\Users\Public\public_html\Derivatives\GDc2nd.zip)

[FivePtDers.zip](file:///C:\Users\Public\public_html\Derivatives\FivePtDers.zip)

# Fortran

[Dcheck.for](file:///C:\Users\Public\public_html\Derivatives\Dcheck.for)

# Differentiate a Lagrange Polynomial

[Lagrange\Lagrange.docx](file:///C:\Users\Public\public_html\Derivatives\Lagrange\Lagrange.docx) [.xml](file:///C:\Users\Public\public_html\Derivatives\Lagrange\Lagrange.xml)

# Byproduct of spline fitting

[..\interpolation\splinefitting\Welcome.docx](file:///C:\Users\Public\public_html\interpolation\splinefitting\Welcome.docx) [.htm](file:///C:\Users\Public\public_html\interpolation\splinefitting\Welcome.htm)