

	* Chaose & 50 error 15 below some tolerance  "Adaptive Step 512e"
	• If we have f at >1 point, use this info "Multi-point" Methods (less common)
	Try to vedre error by taking  Sicps w/ different DX, Cleverly combining.  "Runge-Kutta" Mexhods (nest common)
Ric	ha-dson Extrapolation: take steps $\Delta x$ , $\Delta x/z$ , $\Delta x$ , trying to solve $b$ extrapolate to $\Delta x \rightarrow 0$ $f(x) \in A(1 \times)$
	$f(x) = f(x) + \Delta x + \Delta $
	$= f(x) + \Delta x + \Delta$
	$= f(x) + \Delta x \left( A(x) + A(x) + A(x) \right) + \Delta x^{2} f''(x)$ $= f(x) + \Delta x \left( A(x) + A(x) + A(x) \right) + \Delta x^{2} f''(x) + \Delta x^{2} f$
	take we glied average of fi, fz: c, f, + czfz
	$\begin{cases} C_1 + C_2 = 1 \\ C_1 \cdot \Delta x^2 + C_2 \Delta x^2 \cdot \lambda = 0 \\ C_2 = -1, C_1 = 2 \end{cases}$
*	"extrapolated" solution is 2f, -f2 + O(1x3)
	error estamate:  f, fz  < tolerance
	Use other Step Sizes to eliminate DX3, DX4, Can generate many different Integration Schenes



