Angah 1 $I = \int_{0}^{2} \ln \left(x^{2} \right) dx = \int_{0}^{2} \left(x \right) = \ln \left(x^{2} \right)$ $-3 f'(x) = \frac{1}{x^2} \cdot 2x - \frac{3}{x^2}$ -> f"(x) = - 2 => | Nox | = f"(221) = 2 =>fm(x) = + $=sf^{(4)}(x) = -\frac{12}{x^4} = s[max] = f^{(4)}(1) = 12$ Sum. Reditecterragel: 1 [(() dx - R f (h) | = 12 (5-a) max | f" (x) | xe(-,)? 10-2 = 13 (1.5 = 15 => 1/2 = 15.10-2 => h = 0.000st 0.010754 Tapez: h= 1 = 1 = 1 = > n = 92 10-2 € 13.1.5 = = = 2 = 2 15 = 6.10-2 => 4= 0.007746 == 4 = 130 51-pson: =- 4 = 5

Aufon 2 6 = 1 - w dv , m=10/2, 1/6 = 20 5, V+ = 5 5 $=\int_{-\sqrt{10}}^{10} dv = \int_{-\sqrt{10}}^{10} f(t) = \frac{10}{\sqrt{10}}$ h= 5-9 = 5-20 = -3 a) Reditich ref(h) = h. \(\frac{1}{2} \) = -3. \(\frac{5}{2} \) f(20-3: -\frac{3}{2} \) => -3. \ = 4.38231 -0.220274 | Telles = 14.447214 -4.38... 1 = 0.0878 THELL - L. (513) EXCENT + 5 + (20-3:)) 4) Trapez -0.111803 -0.142468 => -3 -(-0.585115 + 2) = 4.00357 1-0.190301 -0.274101 -0.44x342) Febler = 0-5214ST

Sf(h) = 3 (2 f(a) + 2 f(a+4.4) + 2 E f(Ba+(4.1) 13 Algans + \frac{2}{7}t(\varepsilon) 2 f(n) = -0.055302 1 ((1) = -0.447204 2. 1 \$ k 1 tes-1 2 3 4 5