Teopena 6.22 Teopena Narpanna. Hexair op-e y=fcx 1) nenepephone na bigpizky [a, b]; 2) gucpepenyitobana na intepbani (a; b) Togi icnye torka & e (a; 6) maica, yo f(6)-f(a)= = f'(E)(b-a)(6.1)Dobegenne P Pozzuenemo na bigp. [a, b] op-10 $f(x) = f(x) - f(a) - \frac{f(b) - f(a)}{b-a} (x-a).$ Saybariano, ye p-e y= Fix) zagobinbnes bei y mobil reopenie Ponne. Copologi, op-e y = fin e nenepepbnoro na ta; 61, grapepensisobones na (a, b) nourous F(x) = f'(x) - fco - fco, i tal = FB) = 0. Tany 3 ornegy na reop. Pone Juanigerace torka $E \in (a; b)$, que exoi $F'(E) = f'(E) - \frac{f(b) - f(a)}{b-a} = 0$, réigner bunnabae Chibbiguerne (6.1) A.

Bedge were Ared tones tone goods

Teopena 6.2.3 Teopena Komi Hexaii qui f(x) ra g(x): 1) henepephni na bigpizny [a; 6]; 2) gapepengiciobani na inteplanci (a; 6); 3) (tx \((a, 6)) \(\frac{1}{9}'(x) \(\frac{1}{2}\) \(\frac{1}{2}\) Togi icnye torka & & (a; b) maker, ye $\frac{f(6)-f(a)}{g(6)-g(a)} = \frac{f'(E)}{g'(E)}$ (6.2) Nobegennes & Post Dobegenne: T Dobegeno, yo chibbiquamenne (6.2) шає сенс, тобто ще g(в) + g(a). Наспровді, якби g(a)=g(6), To gue q-i g(x) bunonybanua & ymobil Teopenin Poure i 32igno 3 yiers Teop. icnybana & torica ne (a; b) raion, ye g'(n)=0. A je cyneperuso & ymobi Teopenia. OTRICE, $g(a) \pm g(b)$. Pozrienemo $g(a) = f(x) - f(a) - \frac{f(b) - f(a)}{g(b)g(a)} \cdot (g(x) - g(a))$ 3. ornegg na guoba Teopenn qo-e Fox) zagobinance ymober Poure, tong icnge Torica & e (a, 6) Taica, eye F'(E)=0, Tobro f'(E) = fib)-fica) g'e 3 bigna bunaubae cnibbignomenne. (6.2) D

Teopena 6.2.1. Teopena Ponne. Hexai qo-e y=f(x): 1) Venepephoa na bigpizny [a; 6]; 2) guepepengiciobane na inteplaci (a; b); 3) f(a) = f(6)Togi icuye Torica E e (a, b) Taice, yo f(c)=0 Dobegenne: Ociciabia pre y=fin nenepeptua na bigp [a; 6], to 3 ornegy ha teopeny Banepurpacca. bone gocerae na young bigpizzy nacióinomore Ta hainenmoro znerens. Herai M= mox f(2) m= min fcz). Tog; (tx = [a; 6] (m = fcx) s [4] Moraubi gla Bunggai! m= M Ta m E M Possuenemo repumi Buragon. Togi (4x & Ca; 63) {f(x)=m= M= const}. Bligen (4x & co; b) {f(x)=0} OTRICE, Za E monche boser Sygnery Torny & inteplay (a, 6) Posrueneux gestim bunagon, Ockinona fea) = feb), to xora & ogne si znoreno m ta M q-e gocerae y exuice prozy: E e (a, b). OTuce, Torica

¿ є torkoro ekcipenigny port. y = fix). Tony 3 ornegy na gapepengicio-baniers qui y=fere, 6 toryi & Ta zrigno z Teopenioro Pepina Oτρανιμένιο, 100 f(ε)=0 A. (- | - | a = (2)) | be point (b (2)) | 3 point (f (a) | b) | (B a) Dobegune: Color per possiones en and the property of the proper and the service of the service of Morecard She budge! m= let to me M (12 passed per many surged (4x charas) (30) 600 2-9 W DE M DEPONS 18 SUPER DE MAX OF