PB17111614_王嵘晟.md 2020/4/26

HW5

PB17111614 王嵘晟

1 * Ja, ix x1-a: 5(x)= x1-a
只需求于(X)=0日+X6与1值图可。
$\pm'(x)=nx^{1-1}$
$X_{k+1} = X_k - \frac{X_k^n - \alpha}{\alpha}$
$=\frac{1}{2}\left((n-1)x_{+}+\frac{\alpha}{x_{+}^{n-1}}\right), \text{ ± 1 tight}$
1 1=5 a=90+ XKt1= = (4XKt xx)
$X_0=2$
$X_1 = 1.7125$
X2=1,579291
X3=1,552783
二迭代公式: Xxxx= 并[(n-1) xx + 2m]
$x_3 = 1.552783$
2. f(x)=x3-4x45X-2
(5人)=3X-8X+5 1 fx)有2重根1
J(X)=(X-1)2(X-2)
$(-1)^{2} \times (-1)^{2} $
P(K) = = = + (x-1) x = + (x-1) = = =
[1+(x+1) 2(x+1)2
40=1-1==================================
和始值X=0在根!附近进代物级。
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