```
Magazer Minh Chien 21020054
1
    a, the fore sof xep lai to co turn cheo dinh khoe o
1
     V, Si dung pri mid-ferm
(
     (i) Jacobi
(
         f[] = (-0,002651; -6339, 744631; -3660, 255363;
0
               - 8965, 752847; 6339, 74 8258; 10000; - 7320,506545;
(
                6339,748258).
0
       (ii) Cours Seidel
0
         1( ] = (0,003621; -6339, 744637; -3660, 253273,
1
                - 8962, 1228111; 6318, thue 36 I; 10000; -130, 2083 22; 6328, 146551
16,
Sã dung pri mid-term
13,
a, Lla-modran Ddusi-
        > D là ma tron friong chéo chinh au A (di; > a, : /////
= D-1 warderg cheo chinh le diring chio chinh was a
(
    co dong matron D.
=> def(D-L) = 0.
         => (D-L)-1 7 => D-L Changhich,
b, S(T, AT) = T, TAT(T,T) = T, TAT
(
      ) A doi xing
1
      => P doi xung
0
      c, (A + LT) -1 (A+ LT) = T
(
      1) (D-L) (LT+A) = 5.
(
      ( CD-L) -1 - LT + (D-L) -1 A = I
(
      67 Tg ~(D-L)-1A = T
-
                            = 1 - (D-L) -1 A.
          Ta
      (=)
```

```
d, T=I-Q:I-(D-L) -1 A. (Q-1 don tau.).
   P = A - T, A T, T
    - A( 1 - 7, TT).
     - TT-I+TT(T-I)A
    · (0+ (0-2) ~ 074 =
                                                   (
     = A(Q -QQ +Q).
 = AGT.Q-1Q - AQQT + AQQT)-1QT
                                                   (
     = QT(AQ-1-A+(QT)-1) Q.
                                                   (
e, Q = (D-L)-1 A.
                                                  (
( Q-1 = A-1 (D-L)
                                                   (
1= AQ-1 = D-L.
                                                   (
, Q = (D - L)^{-1} A
( ) Q7 = A7[(D-L)7] -1.
                                                   (
                                                   5
(S(QT)-1A = (D-L)T A-1.
( (BT) -1 A = D - LT. ( D ctér xúng)
                                                   (
AQ-1 - A + (Q5)-1 A
                                                   (
 = D-L -A+D-LT
                                                   (
= D. \qquad (D-L-l^T = A)
                                                   (
                                                  20 50 = Q 5 DQ
  (6-1 7. => Pla SPD.
  ) D li SPD
J, xTPx.
                         g, p (Tg) = max 1x1 (1.
= xT (A-TgT ATg) x.
                         2 P (Tg) (1
= xTA x - xTT ATg 2.
                         or To hou du
= xTAn - 入xTA > 1.
                          # Gauss Seidel har du
= x T Ax (1-x2).
- nTAN >U (Ala SPD)
```

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19
6
     o, Croi su dadang, low og shue an vo ludneg dien the boo vary
    co the stap ung
      b, Nguôn thác an b thườ lần luid lo- [300, 200, 150].
0
        Số (wong thing wie loan j: momente ( Abi/a Ci3Ci3
6
        er ( lai 1 = 200
6
            loai 2 = 150
6
6
            (oai 4 = 100
0
      c, Turong to b. a (loui) = 650
6
         (bo (où.1) ( loù.3 = 150.
6
                         loui 4 - 150.
6
      d, Tasny to b or ( land = 200
6
                       lou 3 = 150
        (b3/00.1,2>
6
                         lai. 4: 150
6
    15,
6
    a, Trul my con 1 phop tinh
       ms; Es con n-jal photo timb
6
      Vai noi haig con n-1 shoo toc.
C
       Co nhag - 2 n lan tinh leg
6
     3.\frac{1}{2}(u-1)(u-j+2)+m-\frac{u^3}{2}+u^2-\frac{3u}{2}+u=\frac{u^3}{2}+u^2-\frac{u}{2}
6
    L, E, - Ms, E, Lain n-5+1 phop Anus.
(
        Mêr: hay con n-l theo fai
(
        n los
0
       7 2 (n-x) (n-5+x) = m3 - M
0
6
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3	2 人	12	17	<u> </u>
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50	64312	624 75	44150	42835
100	509950	493950 }	43300	338220,
G: -				<u> </u>
Phr	la side in	(514 (x' d	las Cch	l'achir by vi vo duy trong chéé ététiel)
( , , 0			-, 3	).
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	Jou	(j. je ) -	. 1-11	Di (
		0 1,0	41.1	<u></u>
				021 - 0.5
bres	n khir d	hein se	- shuis !	hiện tại n-1 doing voi: n-1-j vàs
ME	المام المام	bus c	cen 2M	NID vo AAIS.
	⇒ 0 M	/D : 1	n(n-1).	$ \frac{(n-1) + (n-2) + \dots + 2 + d = n(n-1)}{(n-1)^{\frac{1}{2}}} $ $ \frac{(n-1) + (n-2) + \dots + 2 + d = n(n-1)}{(n-1)^{\frac{1}{2}}} $ $ \frac{(n-1) + (n-2) + \dots + 2 + d = n(n-1)}{(n-1)^{\frac{1}{2}}} $ $ \frac{(n-1) + (n-2) + \dots + 2 + d = n(n-1)}{(n-1)^{\frac{1}{2}}} $ $ \frac{(n-1) + (n-2) + \dots + n + 2 + d = n(n-1)}{(n-1)^{\frac{1}{2}}} $ $ (n-1) + (n-2) + \dots + n + n + n + n + n + n + n + n + n$
	A /	٠, ٠	n (n-1)	(n-1)+(n-2)+-1+2+1=n(n-1)
	) '` '		2	là số lân thuếc hiện phep tinh
		· , ,	3	le me nacose
	\ Ti	uh logi	va: n.	· M/D
	0 VVD	= \frac{\frac{1}{3}}{2} \frac{1}{4}	N5 - 2	p-+ n- n + n = 12 + 3 ms - 2 m (
		3	2 6	6 3 2 6
	AIS	= w3-n	+ W2	- n = n3 n2 - 545h
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2 14	L.Q. 1 100	The door	م باد ما ب	ân của Chủ Gauss the tôn
ind this	a : or a . d b.t	no cirgin	s us	an all is in
		M(N) ~ ~	3 1 2	$-\frac{5h}{6}$ & A/S = $\frac{h^3}{3}$ - $\frac{h}{3}$
			_	, ,

1-41	nr	ndion.				1 1 2 1 . 0	
		Gauss		Gauss	Terdan	Both Rybrid	
	<b>h</b>	WYD	ALS	WYD	A15	WIP	A1s
	ζ	17		21		20	11
	10	430	335	532	495	412	312.
	20	44250	45812	649 75	624 75	45375	42875
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