

```

EEEEEEEEEE XX XX AAAAAA MM MM PPPPPPPP LL EEEEEEEEE SSSSSSSS
EEEEEEEEEE XX XX AAAAAA MM MM PPPPPPPP LL EEEEEEEEE SSSSSSSS
EEEEEEEEEE XX XX AAAAAA MM MM PPPPPPPP LL EEEEEEEEE SSSSSSSS
EE XX XX AA AA MMMM MMMM PP PP LL EE SS
EE XX XX AA AA MMMM MMMM PP PP LL EE SS
EE XX XX AA AA MMMM MMMM PP PP LL EE SS
EE XX XX AA AA MM MM MM PP PP LL EE SS
EE XX XX AA AA MM MM MM PP PP LL EE SS
EEEEEEEEEE XX XX AA AA MM MM PPPPPPPP LL EEEEEEEEE SSSSSSS
EEEEEEEEEE XX XX AA AA MM MM PPPPPPPP LL EEEEEEEEE SSSSSSS
EEEEEEEEEE XX XX AA AA MM MM PPPPPPPP LL EEEEEEEEE SSSSSSS
EE XX XX AAAAAAAAAA MM MM PP LL EE SS
EE XX XX AAAAAAAAAA MM MM PP LL EE SS
EE XX XX AAAAAAAAAA MM MM PP LL EE SS
EE XX XX AA AA MM MM PP LL EE SS
EE XX XX AA AA MM MM PP LL EE SS
EE XX XX AA AA MM MM PP LL EE SS
EEEEEEEEEE XX XX AA AA MM MM PP LLLLLLLLLL EEEEEEEEE SSSSSSSS
EEEEEEEEEE XX XX AA AA MM MM PP LLLLLLLLLL EEEEEEEEE SSSSSSSS
EEEEEEEEEE XX XX AA AA MM MM PP LLLLLLLLLL EEEEEEEEE SSSSSSSS

```

```
PPPPPPPP      EEEEEEEEEEE      AAAAAA      KK      KK
PPPPPPPP      EEEEEEEEEEE      AAAAAA      KK      KK
PP      PP     EE      AA      AA      KK      KK
PP      PP     EE      AA      AA      KK      KK
PP      PP     EE      AA      AA      KK      KK
PP      PP     EE      AA      AA      KK      KK
PPPPPPPP      EEEEEEEEEEE      AA      AA      KKKKKK
PPPPPPPP      EEEEEEEEEEE      AA      AA      KKKKKK
PP      EE      AAAAAAAAAA      KK      KK
PP      EE      AAAAAAAAAA      KK      KK
PP      EE      AA      AA      KK      KK
PP      EE      AA      AA      KK      KK
PP      EEEEEEEEEEE      AA      AA      KK      KK
PP      EEEEEEEEEEE      AA      AA      KK      KK
      ....
```

```
FFFFFFFFFF      000000      RRRRRRRR
FFFFFFFFFF      000000      RRRRRRRR
FF      00      00      RR      RR
FF      00      00      RR      RR
FF      00      00      RR      RR
FF      00      00      RR      RR
FFFFFFFFFF      00      00      RRRRRRRR
FFFFFFFFFF      00      00      RRRRRRRR
FF      00      00      RR      RR
FF      00      00      RR      RR
FF      00      00      RR      RR
FF      00      00      RR      RR
FF      000000      RR      RR
FF      000000      RR      RR
```



```
!File FPEAK.FOR
  Version 'V04-000'
```

```
*****
*
* COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
* DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.
* ALL RIGHTS RESERVED.
*
* THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED
* ONLY IN ACCORDANCE WITH THE TERMS OF SUCH LICENSE AND WITH THE
* INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR ANY OTHER
* COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY
* OTHER PERSON. NO TITLE TO AND OWNERSHIP OF THE SOFTWARE IS HEREBY
* TRANSFERRED.
*
* THE INFORMATION IN THIS SOFTWARE IS SUBJECT TO CHANGE WITHOUT NOTICE
* AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT
* CORPORATION.
*
* DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS
* SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
*
*****
```

```
Subroutine PEAK(ITABLE,INPUT,INLAST,INPTR,OUTPUT,IDIMO,NPEAKS)
!A trivial peak-picking routine. The calling sequence is patterned
!after the LSPLIB routine PEAK.
```

```
Integer*4 ITABLE(10),OUTPUT(2,IDIMO),INLAST,INPTR,IDIMO,NPEAK
Integer*2 INPUT(1)
Parameter NOISE = 5      !Noise value = 5 A/D units
```

```
!Initialize some parameters, if necessary
If( NPEAKS .lt. 0 ) NPEAKS = 0
If( INPTR .lt. 0 ) INPTR = 0
```

```
!First time thru?
If( INPTR .lt. INLAST .and. ITABLE(1) .eq. 0 ) Then
  INPTR = INPTR + 1
  ITABLE(1) = 1          !Assume we're rising
  ITABLE(2) = 1          !first point
  ITABLE(3) = INPUT(INPTR)
End If
```

```
!Any data to process?
If( INPTR .lt. INLAST ) Then
  Do 10 I = INPTR+1, INLAST
    If( ITABLE(1) .gt. 0 ) Then !We're rising, look for a fall
      If( INPUT(I) .lt. ITABLE(3)-NOISE ) Then !We found a peak
        If( NPEAKS .lt. IDIMO ) Then !Any room to store it?
          NPEAKS = NPEAKS + 1
          OUTPUT(1,NPEAKS) = ITABLE(3)
          OUTPUT(2,NPEAKS) = ITABLE(2)
          ITABLE(1) = -1
        End If
      End If
    End Do
  End If
```

```
      Else
        INPTR = I - 1
        NPEAKS = -IDIMO
        Return
      End If
    End If
  Else
    !We're falling, see if we found a valley
    If( INPUT(I) .gt. ITABLE(3)+NOISE ) ITABLE(1) = 1
  End If
  ITABLE(3) = INPUT(I)
  ITABLE(2) = ITABLE(2) + 1
10 End If
  INPTR = -1
  Return
  !Normal exit all data processed.
End
```


XALINK
MAR

LABIOLINK
COM

DRMASTER
FOR

LPATEST
FOR

LABTOPEAK
FOR

LABIOSTR
COM

XMESSAGE
MAR

XATEST
FOR

LABTOCOM
FOR

LABDEMO
COM

LABMBXDEF
FOR

LABIOSAMP
FOR

MAILCOMPRESS
COM

LABCHNDEF
FOR

CONNECT
COM

LABTOCON
FOR

LABDEMO
FOR

PEAK
FOR

DRCOPYBLD
COM

XIDRIVER
MAR

LABTOSEC
FOR

DRSLAVE
FOR

LABTOACQ
FOR

LABTOCOMP
COM

LABIOSTAT
FOR

TESTLABIO
FOR