

NSSS(Nuclear Steam Supply System) Integrity Monitoring System by using Vibration Signal

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1.

가

(NIMS; NSSS Integrity

Monitoring System)

NIMS

(IVMS; Internal Vibration Monitoring

System),

(LPMS; Loose Part

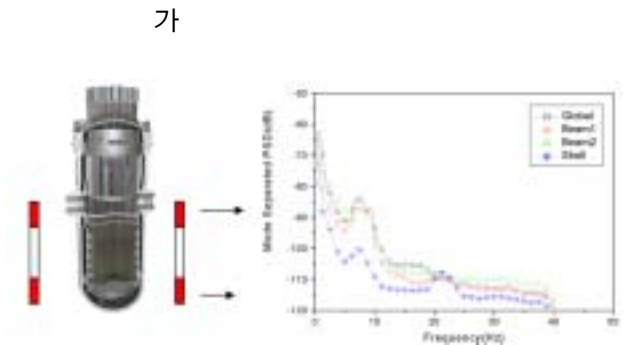
Monitoring System),

(ALMS;

Acoustic Leak Monitoring System),

(RCP-VMS; Reactor

Coolant Pump Vibration Monitoring System)



1.

3.

가

2.

(IVMS)

가

가

가

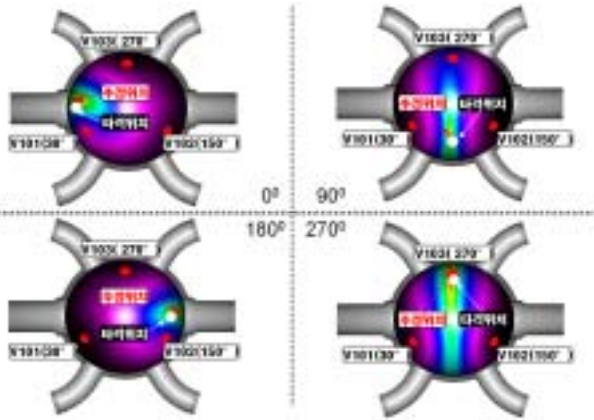
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가



2.

4.

가

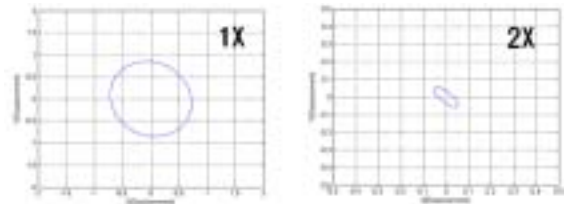
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1

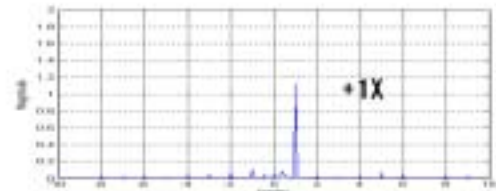
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(ALMS Emission)

(Acoustic



차수별 궤도분석



방향성 차수분석

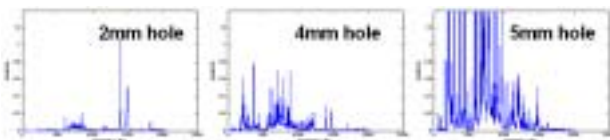
4.

6.

가

(shut

down)



3.

5.

가

(RCP)

가

(RCP - VMS)

NIMS
1980

NIMS

4

가

LPMS

LPMS

VMS

가

)

3

IVMS

ALMS

RCP-

4

NIMS(i-NIMS

I-NIMS

NIMS