

## **DAMAGE BOUNDARY SOFTWARE**

For

**PRODUCT FRAGILITY TESTING PER ASTM D3332**

### **WHAT IS IT?**

An optional integrated software package for the CAT System that provides fast, flexible and more accurate shock fragility testing as per current ASTM Test Specification D3332.

### **WHAT DOES IT DO?**

Capture shock signals and calculates peak accelerations, velocity change and duration in automatic or manual modes.

Provides most accurate means for filtering, fairing and computing average of square shocks.

Database files on hard disk allow test interruption for inspection.

Does fragility plot, determines critical g and delta v.

Outputs hardcopy with Scales and grid of waveform and fragility plots with user edited formats on laser (11sec), dot matrix and color printers.

### **WHAT ARE TYPICAL APPLICATIONS?**

- \* Product Fragility Testing
- \* General Shock Testing
- \* Applicable MIL-STD's for Fragility

### **WHAT ARE SOME KEY FEATURES?**

Autoscaled fragility plot , more accuracy for measuring amplitude of square shock pulses , database files allow test interruption and resumption and are transportable, test report indentifications are user entered.

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# **up date**

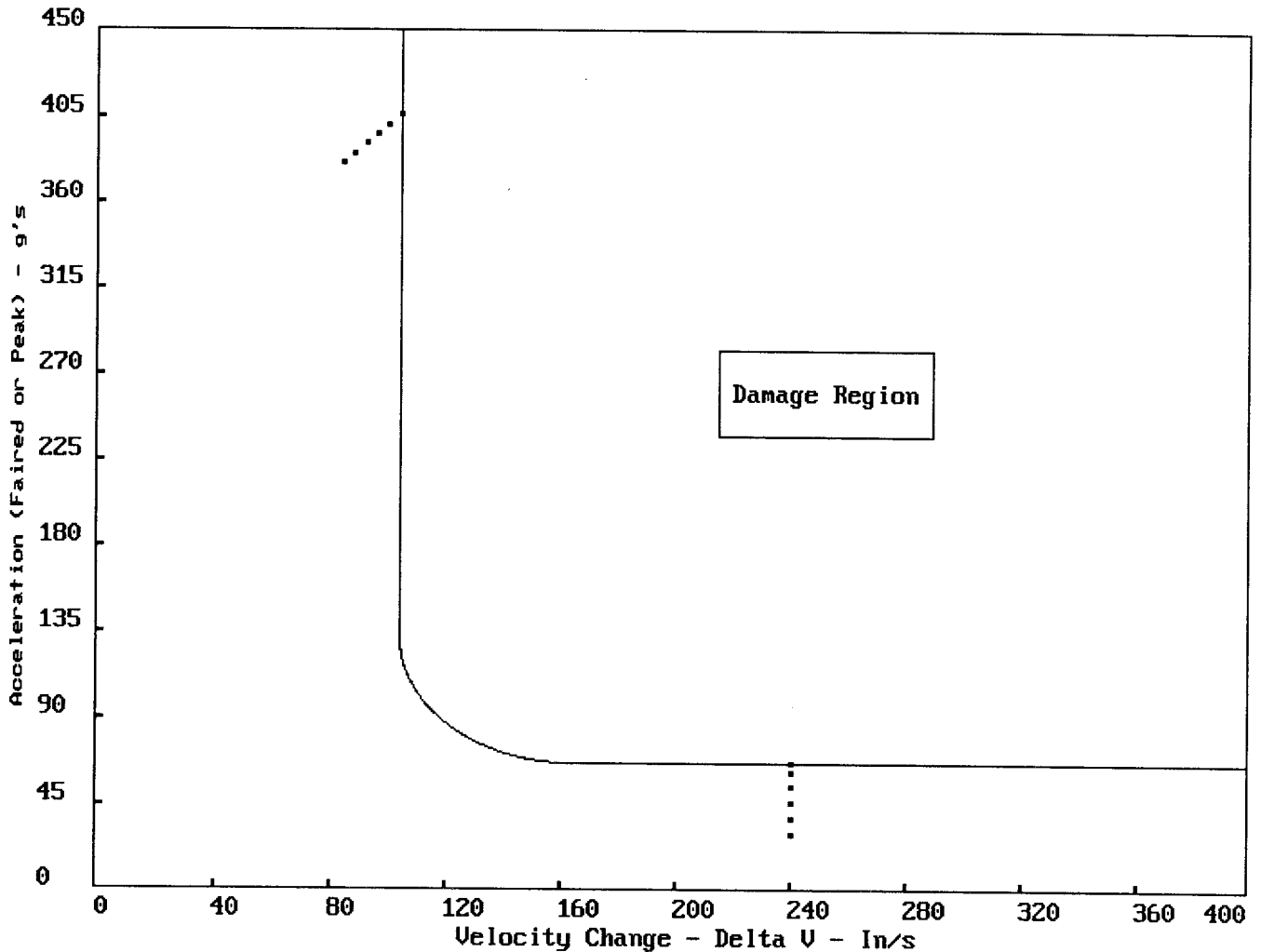
### Damage Boundary Plot

GHI SYSTEMS, INC. TRIAD CAT SYSTEM

Date : January 20, 1990 TEST ENGINEER : John Doe  
TEST ITEM : Desktop Printer TEST TYPE : Fragility  
IMPACT LOC. : Base TEST MACHINE : 48" table  
Effective Drop Height : 4.62 to 9.05 In Critical Velocity Change : 104.5 In/s Critical Acceleration : 65.0 g's

Test Name: Fragility Spec

Tested: Desktop Printer # 2039



Remarks:

Simulated test results to show the versatility of the CAT System and the Damage Boundary Software module. This software provides the required test parameters per current ASTM Test Specification D 3332.