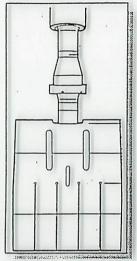
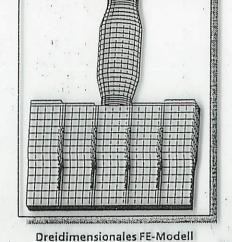
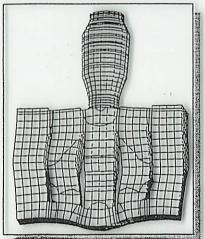
Bild 1

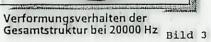


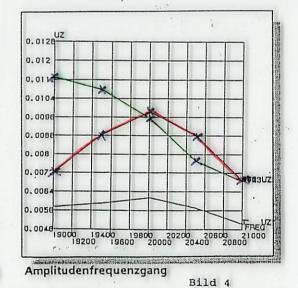


Ultraschall Schwingergebilde

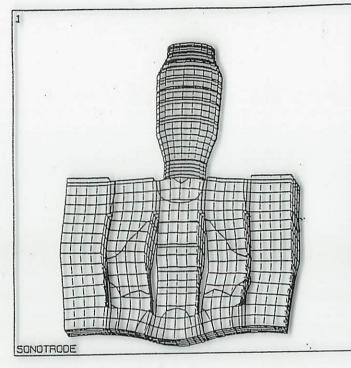
Bild 2







Frequenzganganalyse (Pictorlement)



ANSYS 4.4 AUG 22 1989 10:16:30 PLOT NO. POSTI STRESS STEP=1 ITER=3 FREQ=20000 UZ D GLOBAL DMX =0.010061 SMN =-0.01 SMX =0.007084 XV =-0.2 YV =1 ZV =-0.3 DIST=147.941 XF =100 ZF =132.45 ANGZ=32 PRECISE HIDDEN m-0.009051 =-0.007153 **≈-0.003356** =-0.001458 =0.002339

=0.006135

5856 Knotenpunkte Problemgröße:

4932 8-knotige Solidelemente 17565 aktive Knotenfreiheitsgrade

RMS-Wavefront: 447

Problemlösung: Frequenzganganalyse von 19000 bis 21000 Hz

in 5 Iterationen

Rechenzeit:

CRAY-2 2383 CP-Sekunden

DS 3100: ca. 4 std PC 386: ca. 25 std