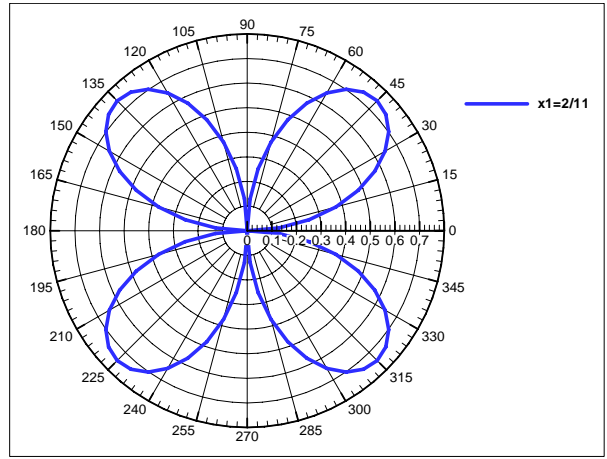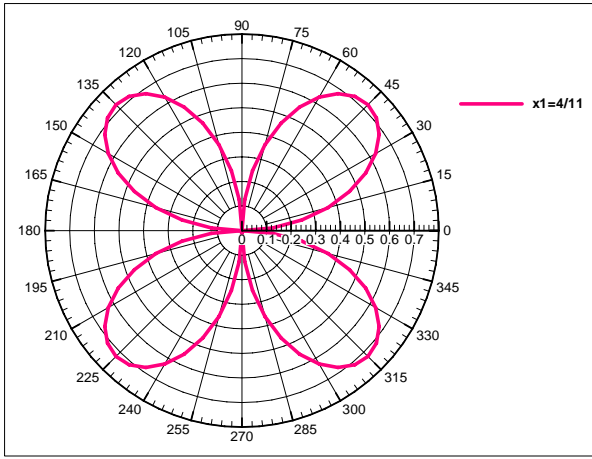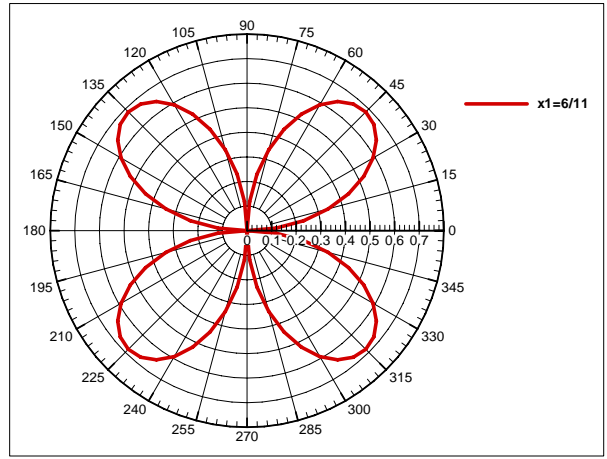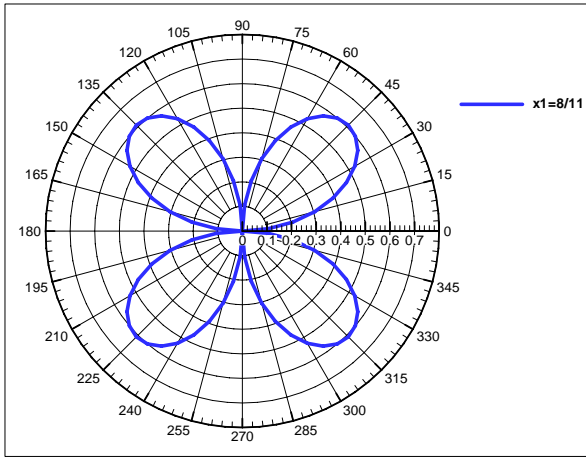1) $x_1 = 0$

2) $x_1 = 2/11$

3) $x_1 = -4/11$

4) $x_1 = -6/11$

5) $x_1 = 8/11$

6) $x_1 = 10/11$

Fig.1. 2D dimensionless near-field radiation distribution for P-wave at crack surface as a function of θ, ϕ and

x_1 ($x_2 = 0$, $t = 0$, $\tau = 0$, $b/a = 1$, $M = N = 13$, $KK = LL = 20 \times 20$)

1
2

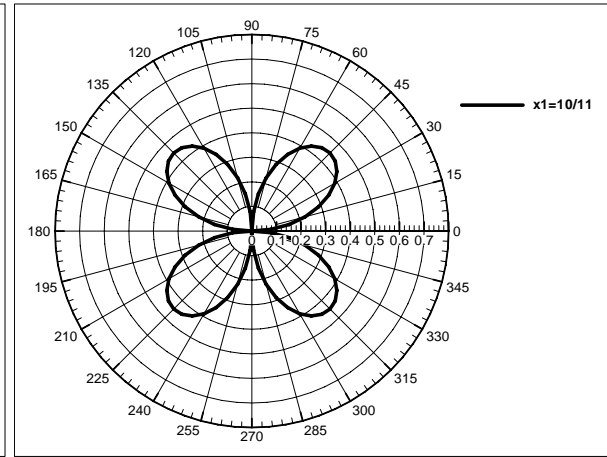1) $x_1 = 0$

2) $x_1 = 2/11$

3) $x_1 = -4/11$

4) $x_1 = -6/11$
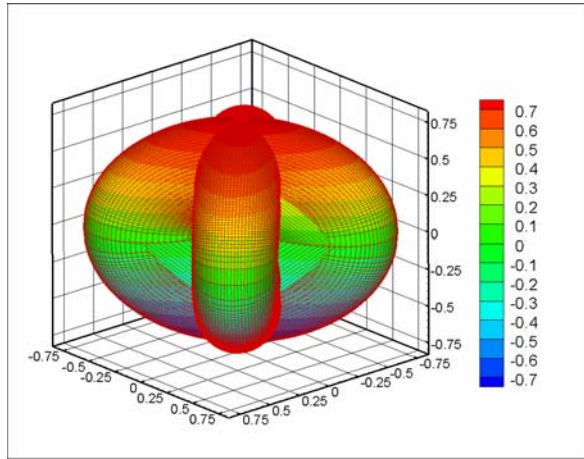
5) $x_1 = 8/11$

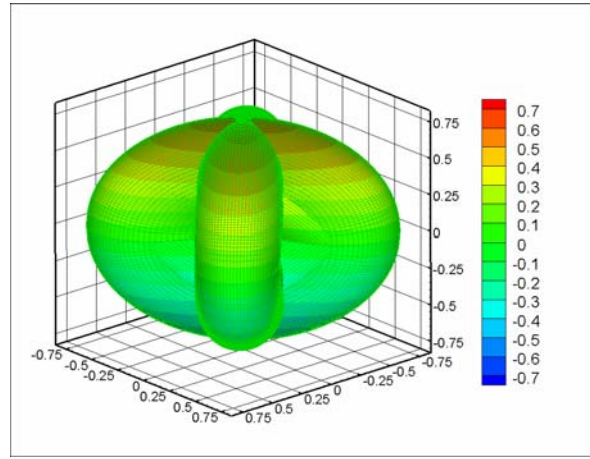6) $x_1 = 10/11$

Fig.2. 3D dimensionless near-field radiation distribution for P-wave at crack surface as a function of θ, ϕ and
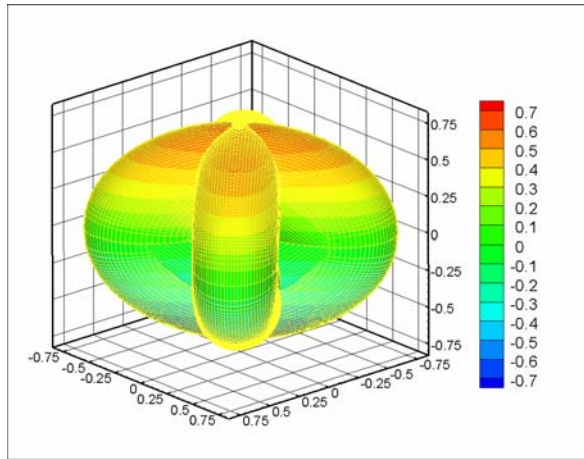
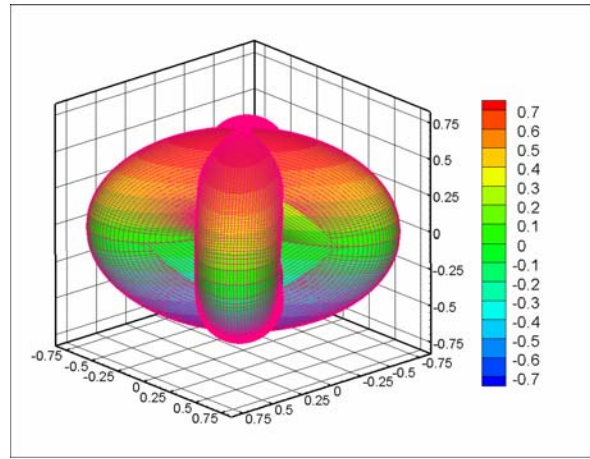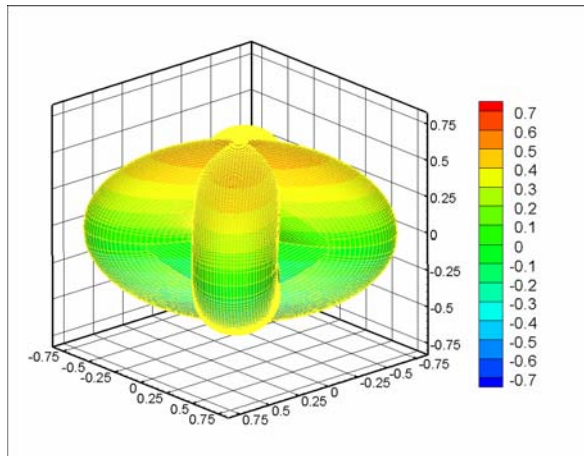x_1 ($x_2 = 0, t = 0, \tau = 0, b/a = 1, M = N = 13, KK = LL = 20 \times 20$)
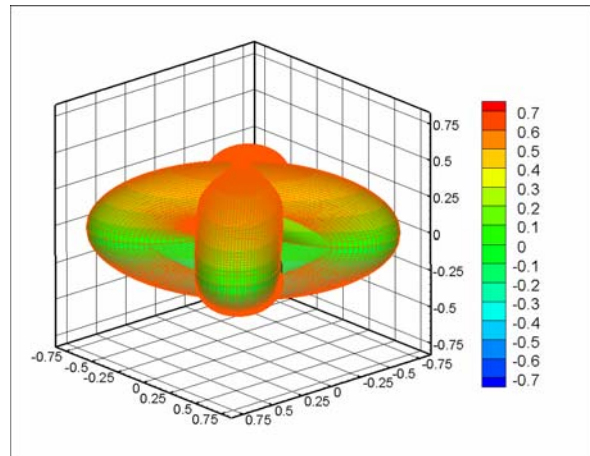
1) $x_1 = 0$

2) $x_1 = 2/11$
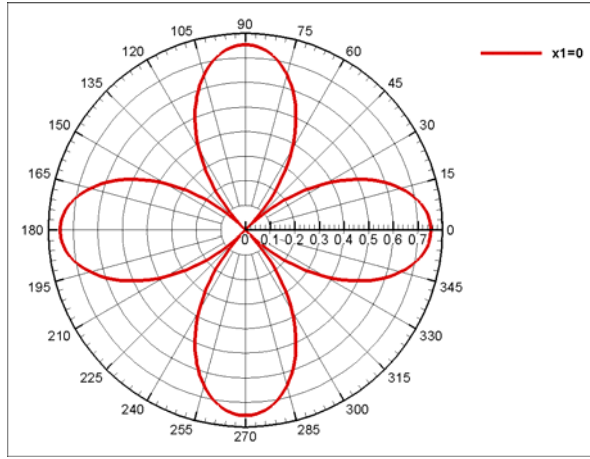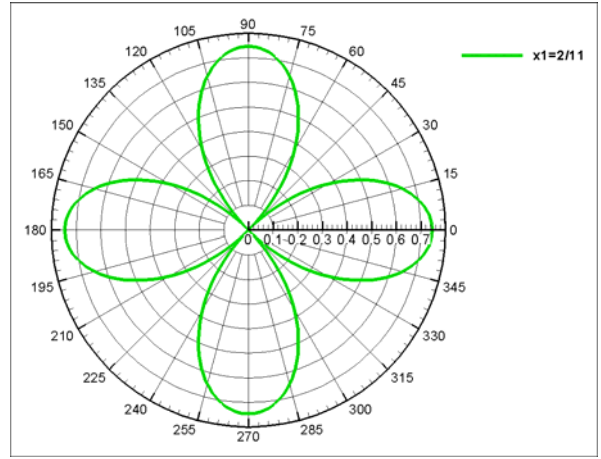
3) $x_1 = -4/11$

4) $x_1 = -6/11$

5) $x_1 = 8/11$

6) $x_1 = 10/11$

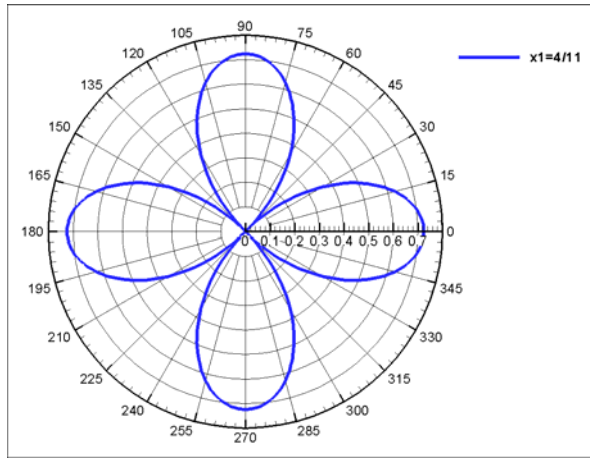Fig.3. 2D dimensionless near-field radiation distribution for S-wave at crack surface as a function of θ, ϕ and

x_1 ($x_2 = 0, t = 0, \tau = 0, b/a = 1, M = N = 13, KK = LL = 20 \times 20$)

1

2

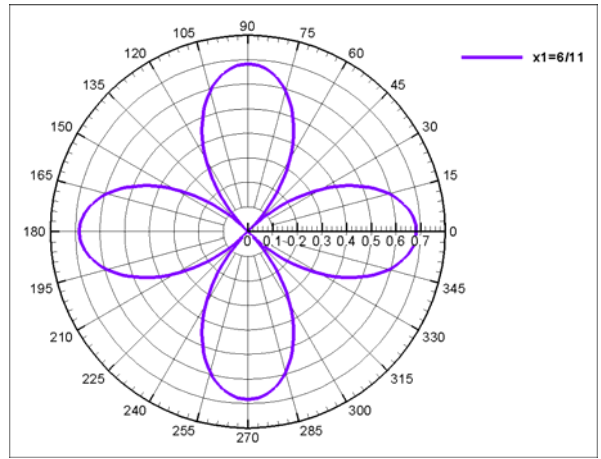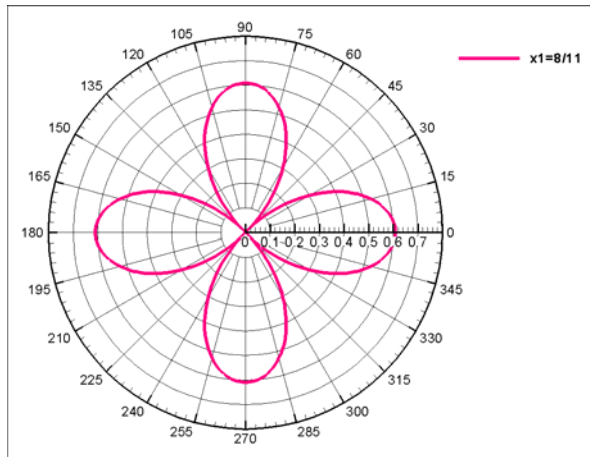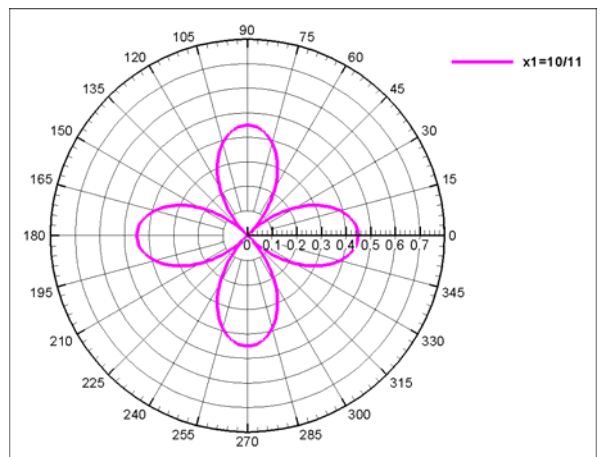3   1) $x_1 = 0$ 2) $x_1 = 2/11$

4

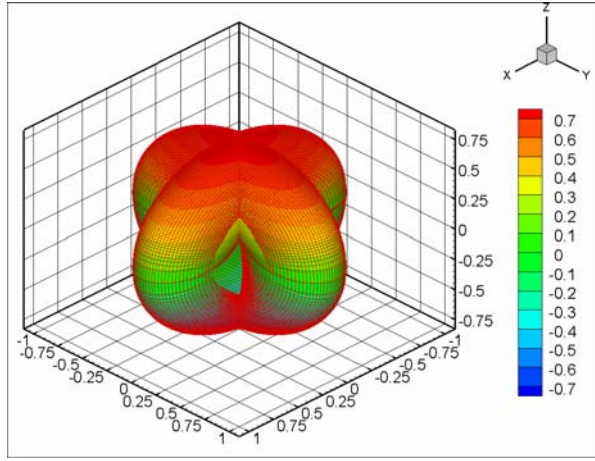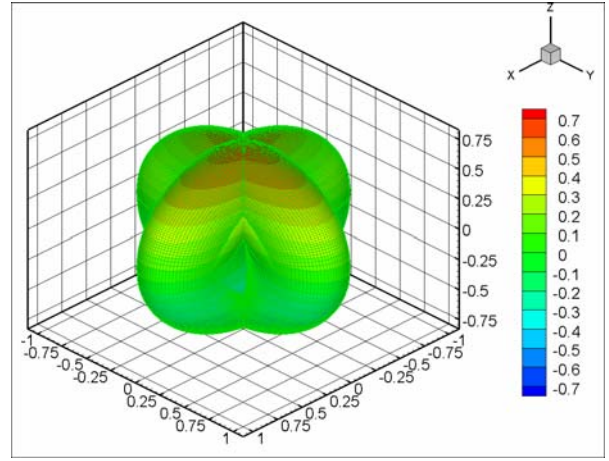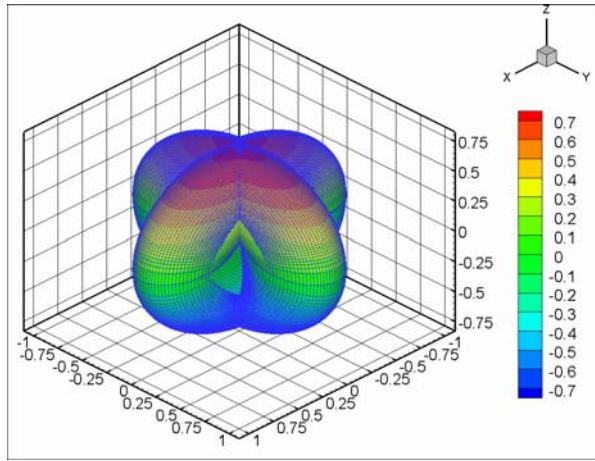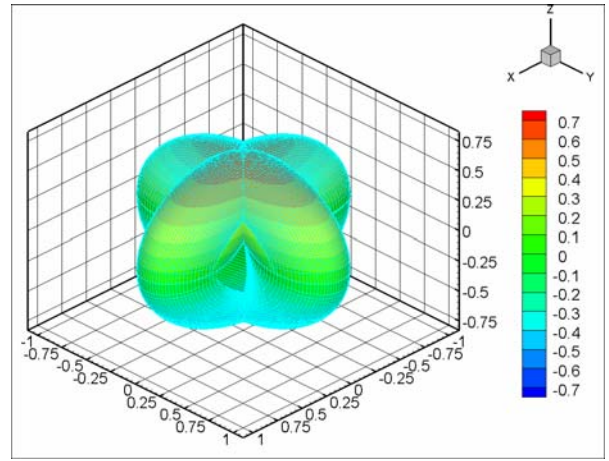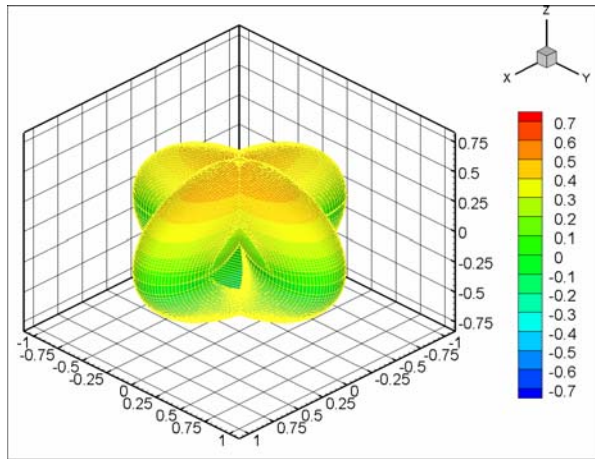5   3) $x_1 = -4/11$ 4) $x_1 = -6/11$
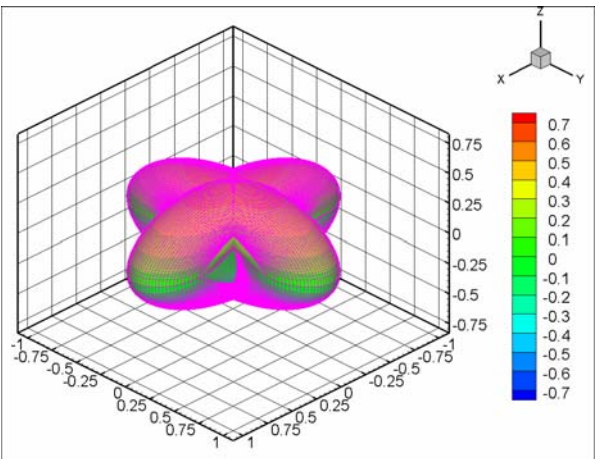

6

7   5) $x_1 = 8/11$ 6) $x_1 = 10/11$

8   Fig.4. 3D dimensionless near-field radiation distribution for S-wave at crack surface as a function of θ, ϕ and

9   x_1 ($x_2 = 0, t = 0, \tau = 0, b/a = 1, M = N = 13, KK = LL = 20 \times 20$)

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