$90°–\tau/2–180°–\tau/2–90°–d_0–90°–\tau/2–180°–\tau/2$

System :

$I(IS_n)$

$I\_2Q(tau,J) = \sin^2(\pi J\tau)$

$I(I_2S_n)$

$I\_3Q(tau,J) = –1/2 \sin^4(\pi J\tau)$

$I\_2Q(tau,J) = –\sqrt{2}/4 + \sqrt{2}/4 \cos(4\pi J\tau)$
$= 2\sqrt{2} \cos^4(\pi J\tau) – 2\sqrt{2} \cos^2(\pi J\tau)$
$= – 2\sqrt{2} \cos^2(\pi J\tau) \sin^2(\pi J\tau)$

$I(I_3S_n)$

$I\_2Q(tau,J) = 13/32 \cos(6\pi J\tau) + 9/16 \cos(4\pi J\tau) + 3/32 \cos(2\pi J\tau) – 17/16$
$= 13 \cos^6(\pi J\tau) – 15 \cos^4(\pi J\tau) + 3 \cos^2(\pi J\tau) – 1$

$I\_3Q(tau,J) = – 3\sqrt{2}/32 \cos(6\pi J\tau) + 3\sqrt{2}/16 \cos(4\pi J\tau) + 3\sqrt{2}/32 \cos(2\pi J\tau) – 3\sqrt{2}/16$
$= – 3\sqrt{2} \cos^2(\pi J\tau) \sin^4(\pi J\tau)$

$I\_4Q(tau,J) = 1/64 \cos(6\pi J\tau) – 3/32 \cos(4\pi J\tau) + 15/64 \cos(2\pi J\tau) – 5/32$
$= ½ [\cos^6(\pi J\tau) – 3 \cos^4(\pi J\tau) + 3 \cos^2(\pi J\tau) – 1]$
$= –½ \sin^6(\pi J\tau)$

$I(I_4S_n)$

$I\_2Q(tau,J) = –3/8 \sqrt{2} \cos(8\pi J\tau) + ½ \sqrt{2} \cos(2\pi J\tau) – 3/2 \sqrt{2} \cos(4\pi J\tau) –1/2 \sqrt{2} \cos(6\pi J\tau) + 15/8\sqrt{2}$
$= – 48 \sqrt{2} \cos^8(\pi J\tau) + 80 \sqrt{2} \cos^6(\pi J\tau) – 48 \sqrt{2} \cos^4(\pi J\tau) + 16 \sqrt{2} \cos^2(\pi J\tau)$

$I\_3Q(tau,J) = 319/256 + 53/256 \cos(8\pi J\tau) - 13/64 \cos(4\pi J\tau) - 35/32 \cos(2\pi J\tau) -5/32 \cos(6\pi J\tau)$
$= 53/2 \cos^8(\pi J\tau) – 58 \cos^6(\pi J\tau) + 39 \cos^4(\pi J\tau) – 10 \cos^2(\pi J\tau) + 5/2$

$I\_4Q(tau,J) = –1/32\sqrt{2} \cos(8\pi J\tau) + 1/8\sqrt{2} \cos(6\pi J\tau) – 1/8\sqrt{2} \cos(4\pi J\tau) – 1/8\sqrt{2} \cos(2\pi J\tau) + 5/32\sqrt{2}$
$= 4\sqrt{2} \cos^2(\pi J\tau) \sin^6(\pi J\tau)$

$I\_5Q(tau,J) = 1/256 \cos(8\pi J\tau) – 1/32 \cos(6\pi J\tau) + 7/64 \cos(4\pi J\tau) – 7/32 \cos(2\pi J\tau) + 35/256$
$= ½ \sin^8(\pi J\tau)$