$$\rho(z_k) \text{ with fixed } z_k, \, k = 1, 2, \ldots, N \quad \overset{\text{Radon transform}}{\underset{\text{Corollary 2}}{\rightleftharpoons}} \quad f_{\theta_1}(r), f_{\theta_2}(r), \ldots, f_{\theta_N}(r)$$

Lemma 1

triangle of the
complex moments

nth order
moment

$$T^{N-1}(I) \quad \overset{\text{Lemma 3}}{\underset{\text{Lemma 4}}{\rightleftharpoons}} \quad \left\{ m_n(\theta_1), m_n(\theta_2), \ldots, m_n(\theta_{n+1}) \right\}_{n=0}^{N-1}$$