

$$\sum_{\substack{0 \leq i \leq m \\ 0 < j < n}} f(i,j) \mathcal{R} \prod_{i=\alpha_i+1}^{\infty} a_i \sin(2\pi f x_i) \sqrt{\frac{x}{2\pi^2} \prod_{\infty}^{\infty}}$$