

$a_{\rho_x}^2 \pi^2 k_{\rho_x} \left[2 \cos \left(\frac{a_{\rho_x} \pi x}{L} \right) \rho_x + \sin \left(\frac{a_{\rho_x} \pi x}{L} \right) \left[\rho_0 + \rho_x \sin \left(\frac{a_{\rho_x} \pi x}{L} \right) + \rho_y \cos \left(\frac{a_{\rho_y} \pi y}{L} \right) + \rho_z \sin \left(\frac{a_{\rho_z} \pi z}{L} \right) \right] \left[p_0 + p_x \cos \left(\frac{a_{\rho_x} \pi x}{L} \right) + p_y \sin \left(\frac{a_{\rho_y} \pi y}{L} \right) + p_z \cos \left(\frac{a_{\rho_z} \pi z}{L} \right) \right] \right]$	$RL^2 \left[\rho_0 + \rho_x \sin \left(\frac{a_{\rho_x} \pi x}{L} \right) + \rho_y \cos \left(\frac{a_{\rho_y} \pi y}{L} \right) + \rho_z \sin \left(\frac{a_{\rho_z} \pi z}{L} \right) \right]^3$	$a_{\rho_y}^2 \pi^2 k_{\rho_y} \left[2 \sin \left(\frac{a_{\rho_y} \pi y}{L} \right) \rho_y + \cos \left(\frac{a_{\rho_y} \pi y}{L} \right) \left[\rho_0 + \rho_x \sin \left(\frac{a_{\rho_x} \pi x}{L} \right) + \rho_y \cos \left(\frac{a_{\rho_y} \pi y}{L} \right) + \rho_z \sin \left(\frac{a_{\rho_z} \pi z}{L} \right) \right] \left[p_0 + p_x \cos \left(\frac{a_{\rho_x} \pi x}{L} \right) + p_y \sin \left(\frac{a_{\rho_y} \pi y}{L} \right) + p_z \cos \left(\frac{a_{\rho_z} \pi z}{L} \right) \right] \right]$
$a_{\rho_z}^2 \pi^2 k_{\rho_z} \left[2 \cos \left(\frac{a_{\rho_z} \pi z}{L} \right) \rho_z + \sin \left(\frac{a_{\rho_z} \pi z}{L} \right) \left[\rho_0 + \rho_x \sin \left(\frac{a_{\rho_x} \pi x}{L} \right) + \rho_y \cos \left(\frac{a_{\rho_y} \pi y}{L} \right) + \rho_z \sin \left(\frac{a_{\rho_z} \pi z}{L} \right) \right] \left[p_0 + p_x \cos \left(\frac{a_{\rho_x} \pi x}{L} \right) + p_y \sin \left(\frac{a_{\rho_y} \pi y}{L} \right) + p_z \cos \left(\frac{a_{\rho_z} \pi z}{L} \right) \right] \right]$	$RL^2 \left[\rho_0 + \rho_x \sin \left(\frac{a_{\rho_x} \pi x}{L} \right) + \rho_y \cos \left(\frac{a_{\rho_y} \pi y}{L} \right) + \rho_z \sin \left(\frac{a_{\rho_z} \pi z}{L} \right) \right]^3$	$a_{\rho_z}^2 \pi^2 k_{\rho_z} \left[2 \cos \left(\frac{a_{\rho_z} \pi z}{L} \right) \rho_z + \sin \left(\frac{a_{\rho_z} \pi z}{L} \right) \left[\rho_0 + \rho_x \sin \left(\frac{a_{\rho_x} \pi x}{L} \right) + \rho_y \cos \left(\frac{a_{\rho_y} \pi y}{L} \right) + \rho_z \sin \left(\frac{a_{\rho_z} \pi z}{L} \right) \right] \left[p_0 + p_x \cos \left(\frac{a_{\rho_x} \pi x}{L} \right) + p_y \sin \left(\frac{a_{\rho_y} \pi y}{L} \right) + p_z \cos \left(\frac{a_{\rho_z} \pi z}{L} \right) \right] \right]$