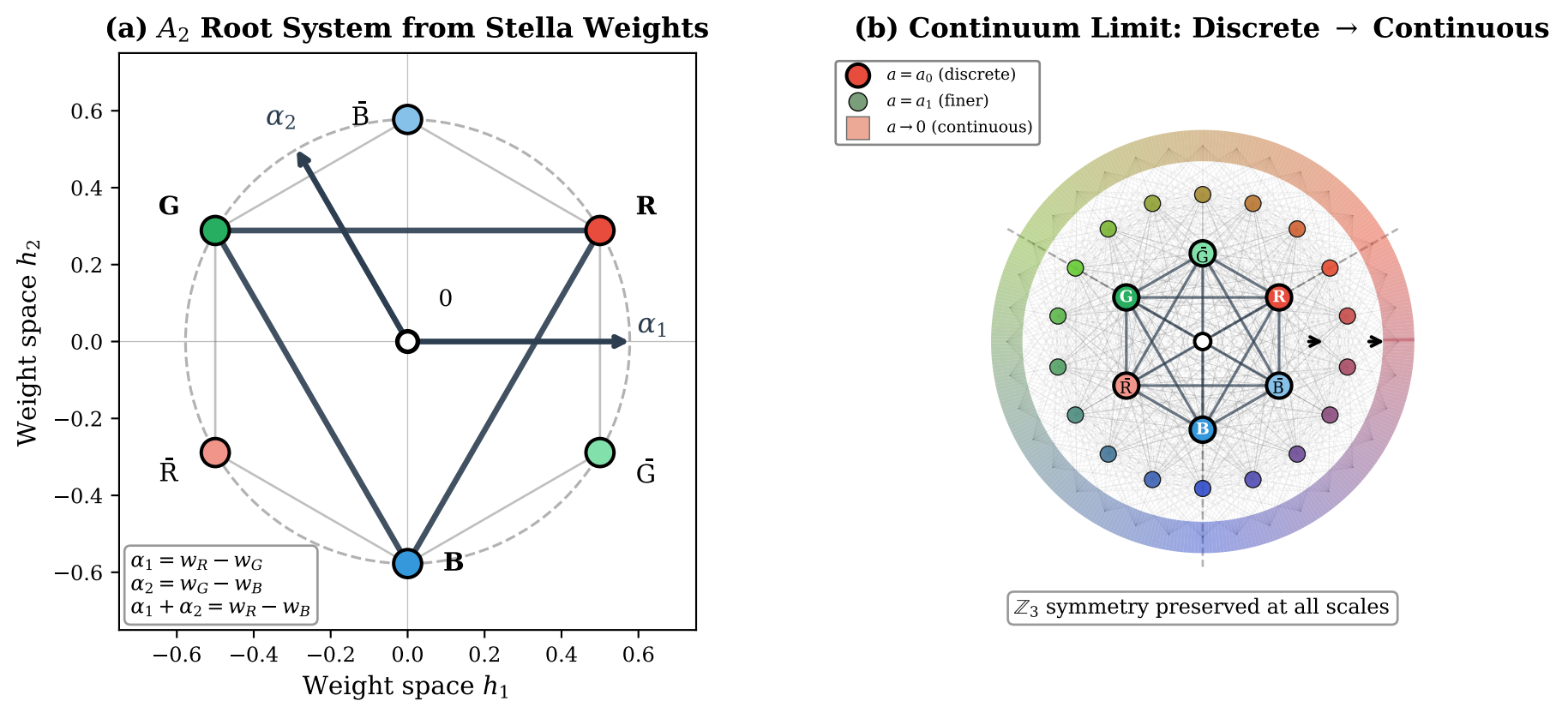
(a) A_2 Root System from Stella Weights
α_2
$\bar{B}$
G
R
0
α_1
$\bar{R}$
$\bar{G}$
B
$\alpha_1 = w_R - w_G$
$\alpha_2 = w_G - w_B$
$\alpha_1 + \alpha_2 = w_R - w_B$
Weight space h_2
Weight space h_1
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
(b) Continuum Limit: Discrete → Continuous
$a = a_0$ (discrete)
$a = a_1$ (finer)
$a \to 0$ (continuous)
$\mathbb{Z}_3$ symmetry preserved at all scales