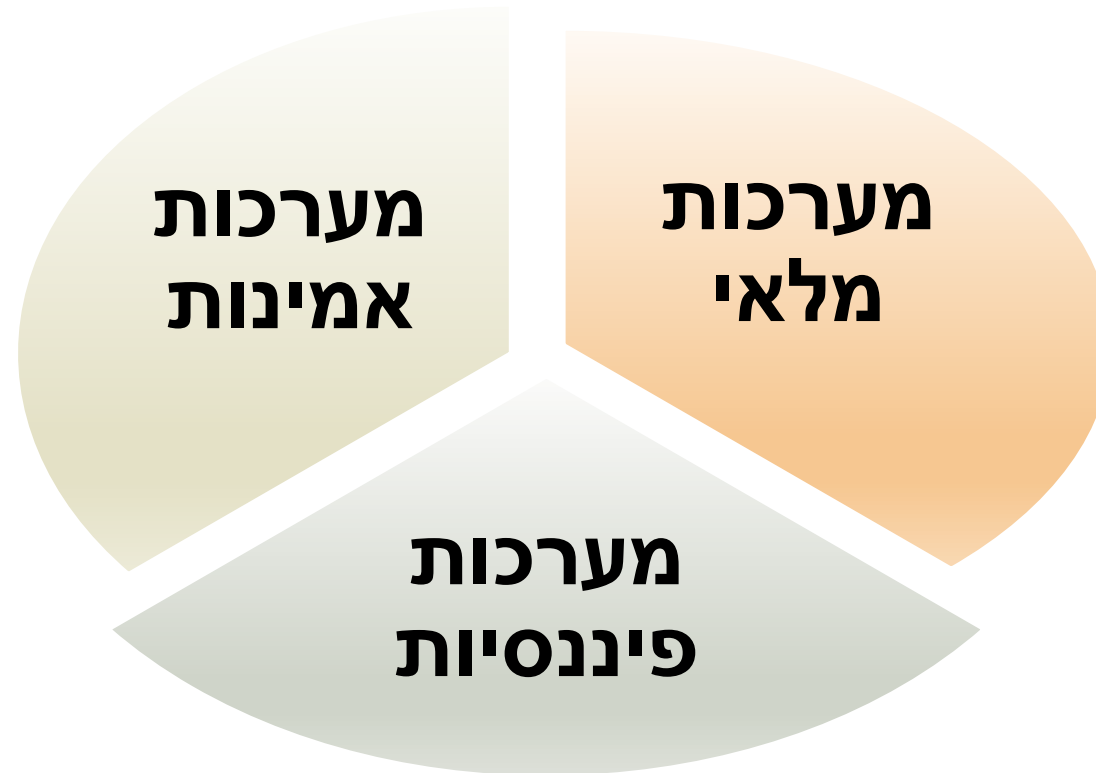


שרשרות אספקה

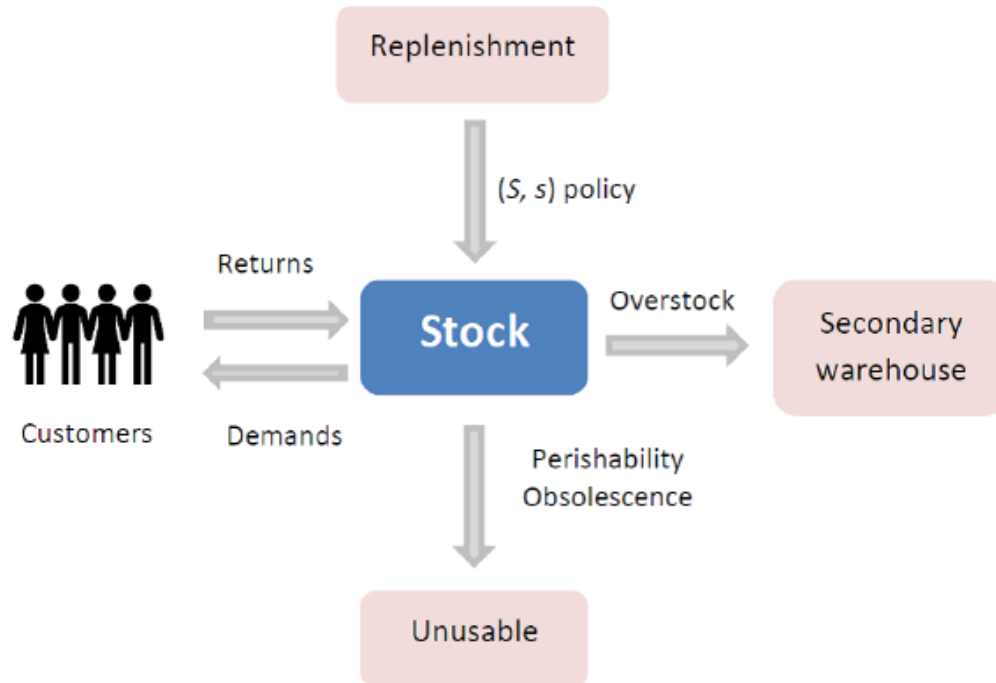
הסתברות
יישומית



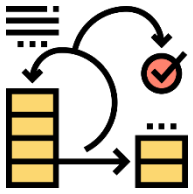
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ד"ר יונית ברון

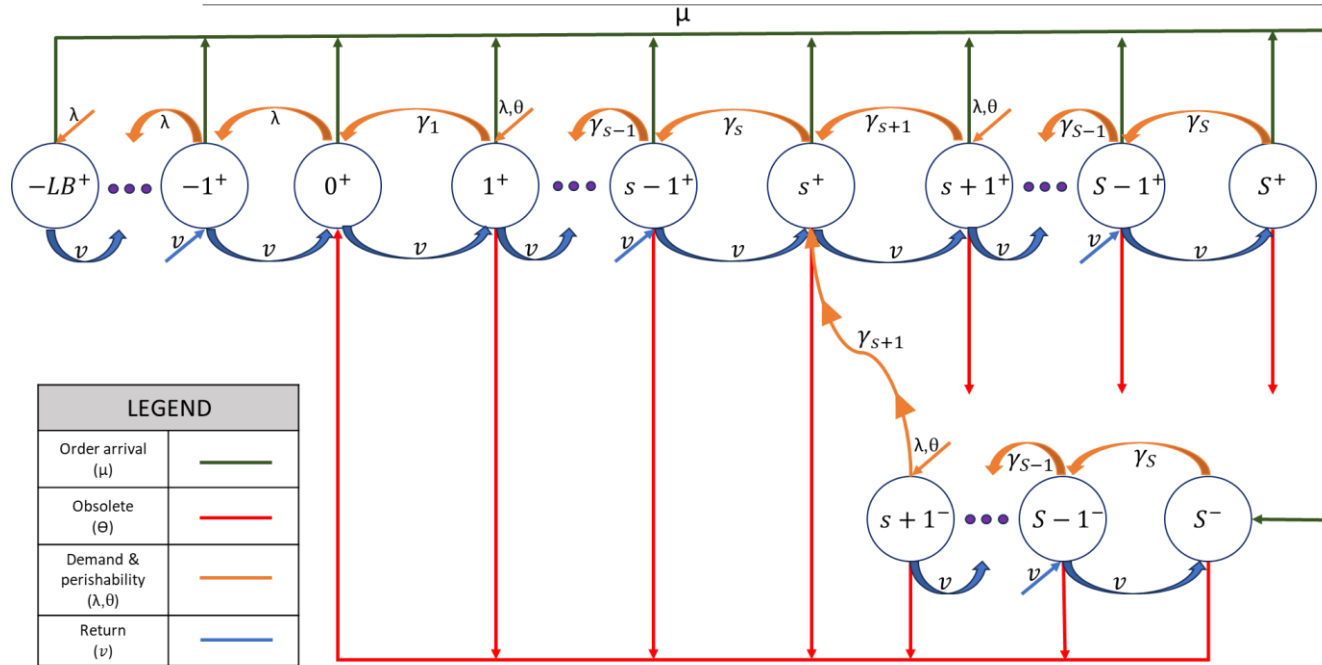
Motivation



- Changes, competitive environment
- Wars
- A threat to air and sea routes
- Damage to production infrastructure and supply reduction
- Natural Disaster (tsunami, earthquakes, tornado etc.)
- Force major (Covid-19, Bankruptcy etc.)

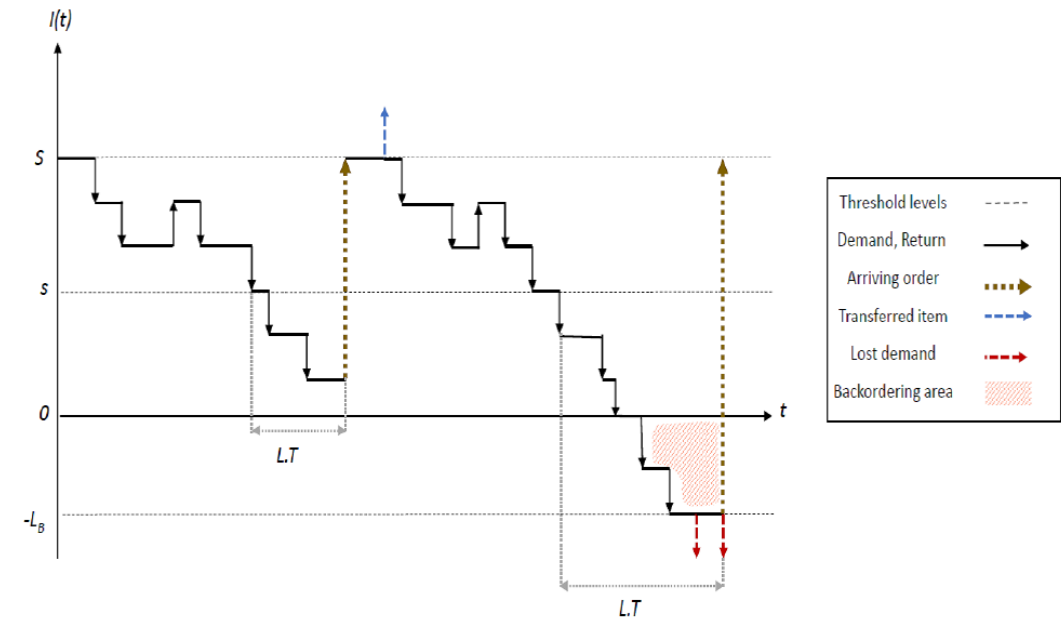


Shortage policy



policy state θ diagram

Sample of inventory process



Numerical Example

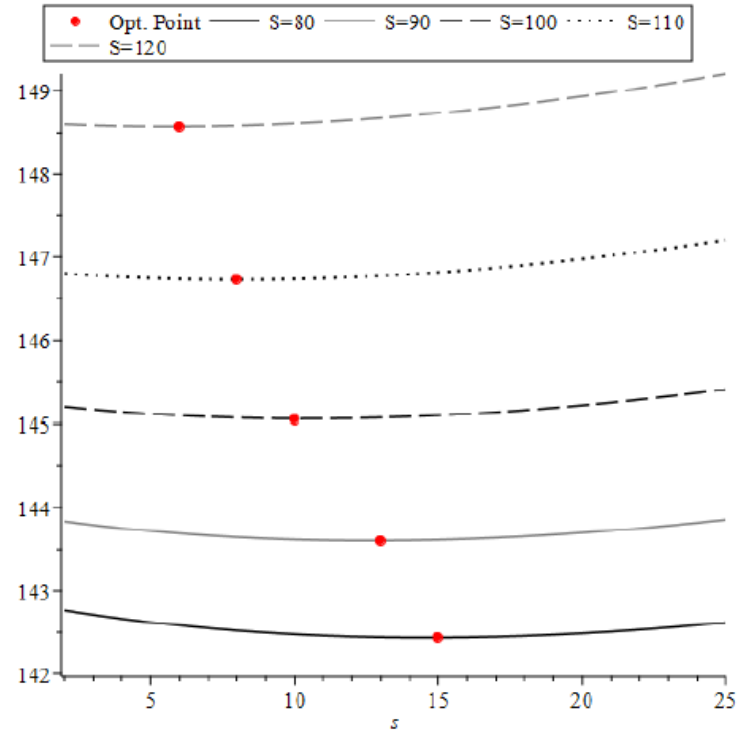


Figure 5. The cost TC for $S = \{80, \dots, 120\}$.

Value ↑	Fixed Order Cost (K_r)	Purchasing Cost (c_r)	Perish Cost (k_θ)	Obsolescence Cost (k_Θ)	Holding Cost (k_h)	Backlogged Cost (k_b)	Return Cost (k_r)	Lost Sales Cost (k_l)
S^*	↑	↓	↓	↓	↓	↑	↑	↑
s^*	↓	↓	↓	↓	↓	↑	↓	↑

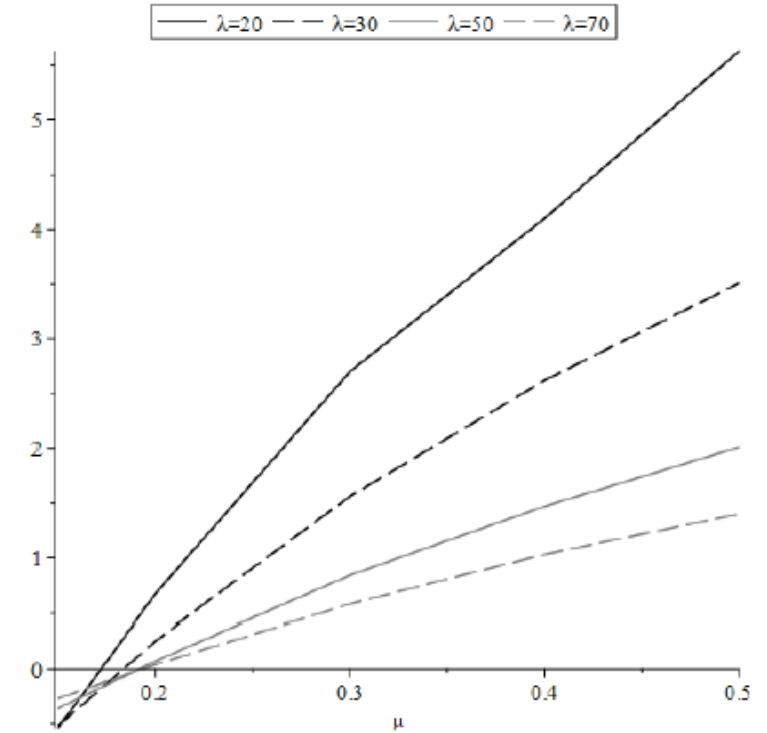
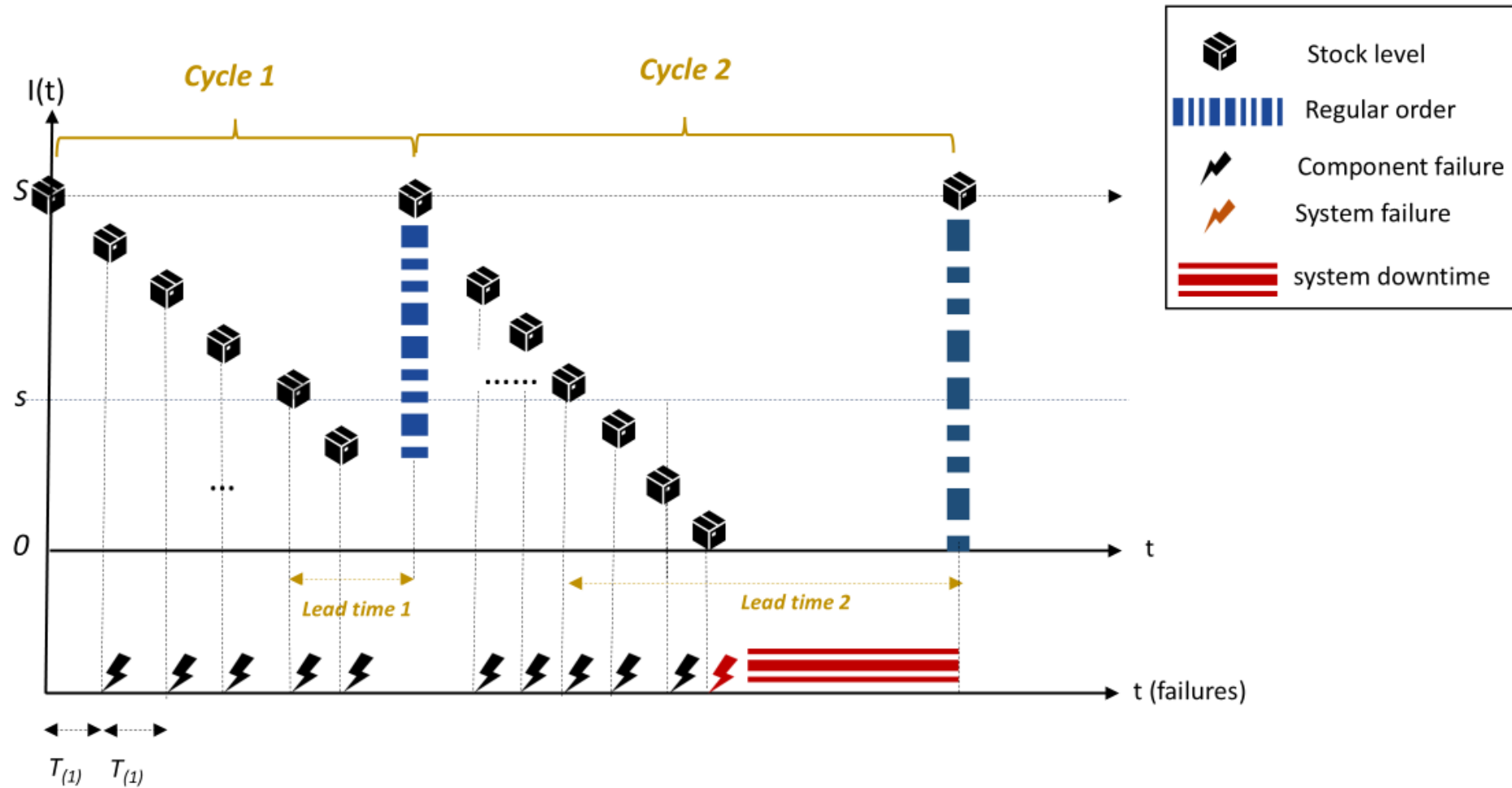
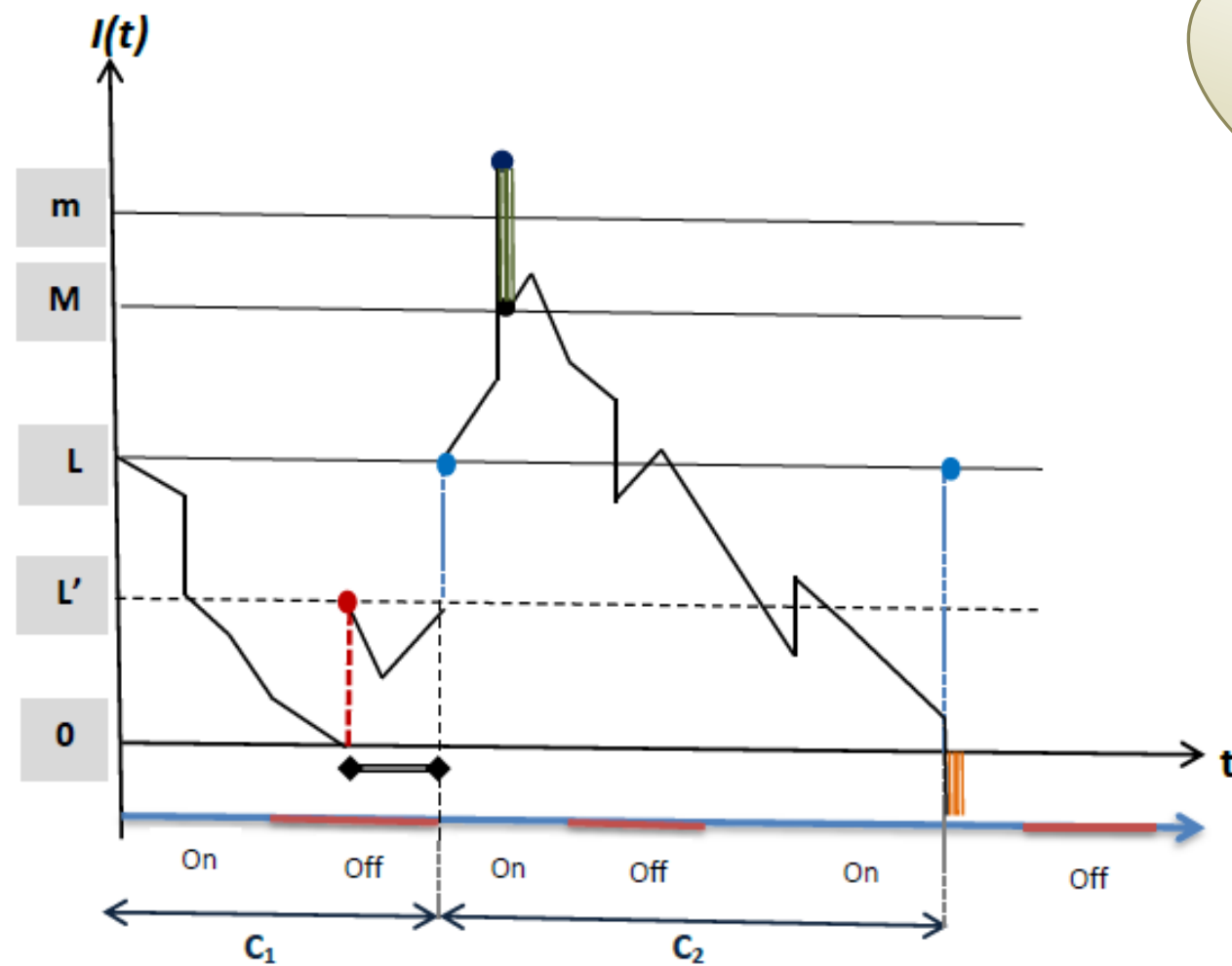


Figure 7. $\%improv$ as a function of μ , for $\lambda = \{20, 30, 50, 70\}$, $\Theta = 0.1$.

A Reliability-Inventory Model



Cash Management מודל פיננסי



כסף = מלא'

דוקטורט / תזה מחקרית

