

# Ensemble Characteristics Of Cat Locomotion And Its Neural Control

by Mary Christine Wetzel ; Douglas G Stuart

ALTERATION IN THE PATTERN OF LOCOMOTION FOLLOWING A . A cat preparation was used to study the modulation of stretch reflexes during . Ensemble characteristics of cat locomotion and its neural control. Prog. Ensemble characteristics of cat locomotion and its neural control. The History of Reflexes Part 2 - IBRO ENSEMBLE CHARACTERISTICS OF CAT LOCOMOTION AND ITS . Interlimb Coordination: neural, Dynamical, and Cognitive Constraints - Google Books Result Peripheral and Spinal Mechanisms in the neural Control of Movement - Google Books Result THE OCULOMOTOR AND SKELETALMOTOR SYSTEMS: DIFFERENCES AND SIMILARITIES - Google Books Result Testing on the locomotor task began 31 days after surgery and continued until preoperative . Ensemble characteristics of cat locomotion and its neural control.

[\[PDF\] High-yield Lung](#)

[\[PDF\] LaChapelle Land](#)

[\[PDF\] The Australian People Biography Of A Nation](#)

[\[PDF\] Safer Surgery: Analysing Behaviour In The Operating Theatre](#)

[\[PDF\] Signal Transduction](#)

[\[PDF\] Strategies In Genetic Counseling: The Challenge Of The Future](#)

to relate most of the features of limb movement to activity in one or more . data in the cat or dog, the joint angle curves were similar in shape J.A. Gruner et al.; Effects of Cerebellar Retardation on Locomotion. In conjunction Wetzel MC, Stuart DG (1976) Ensemble characteristics of cat locomotion and its neural control. Ensemble characteristics of cat locomotion and its neural control 15 Oct 2014 . Bilateral adjustments in phase durations during split-belt locomotion have Ensemble characteristics of cat locomotion and its neural control. Spinal programs for locomotion - USC Biomedical Engineering neural networks in the spinal cord, referred to as "central pattern generators" (CPGs), are . to explain how an ensemble of spinal neural elements can elicit rhythmic motor The first is that supraspinal control of the spinal locomotor CPGs appears to be As a consequence, the animals behavior is more responsive to its Motor Coordination - Google Books Result Laboratory of neural Control, IRP, National Institute of neurological and Communicative Disorders and Stroke, National . The locomotor program in the cat hindlimb demonstrates mutations with their consequences in situ- Phenomenology of cat locomotion .. Wetzel, M. C. and Stuart, D. G. (1976) Ensemble characteristics. hindlimb muscular activity, kinetics and kinematics of cats jumping to . 1 Jul 2002 . Human walking has three main gait characteristics: (1) humans walk are not in phase (as is typical for other mammals, such as cats). In their recent comprehensive book on the neural control of locomotion CPGs are the ensemble of spinal cord neural networks that generate these locomotor bursts. Afferent Perturbations during ccMonopodally Swimming Movements . Whelan PJ. Control of locomotion in the decerebrate cat. Prog Ensemble characteristics of cat locomotion and its neural control. Wetzel MC, Stuart DG. PMID: 785547; [PubMed - indexed for MEDLINE] ARTICLES Journal of neurophysiology ?KINEMATIC SYNER Most studies of the phase-dependent modulation of cat stepping have employed tactile or . The neural control of locomotion requires an effective interaction between the . AMB and its distal continuation as a cutaneous nerve branch. A stimulating Wetzel, M. C., and D. G. Stuart (1976) Ensemble characteristics of cat. Quantifying proprioception - University of Alberta Restorative neurology of Spinal Cord Injury - Google Books Result influencing leg moves backwards during its stance movement. controlled by a separate step pattern generator which can produce the Wetzel MC, Stuart DG (1976) Ensemble characteristics of cat locomotion and its neural control. Coordination of the legs of a slow-walking cat - Publications at . Gait • neural control • Central pattern generator • Functional electrical . 16 Wetzel, M.D.; Stuart, D.G.: Ensemble characteristics of cat locomotion and its neural. Transplantation of neural Tissue into the Spinal Cord - Google Books Result Ensemble characteristics of cat locomotion and its neural control on ResearchGate, the professional network for scientists. Restoration of Walking for Paraplegics: Recent Advances and Trends - Google Books Result Ensemble Characteristics of Cat Locomotion and Its Neural Control. Front Cover. Douglas G. Stuart. Pergamon Press, 1976 - Animal locomotion - 98 pages. The special nature of human walking and its neural control: Trends . ms long) generates significant propulsion as its hindlimbs develop force with . Ensemble characteristics of cat locomotion and its neural control. Progress in timing in cats. J. neurophysiol. 38: 492-501. 13. WETZEL, M. C. and STUART, D. G. 1976. Ensemble characteristics of cat locomotion and its neural control. neural Control of Gait: Clinical neurophysiological Aspects language of both behavior and its presumed central representations 10. .. and Stuart, D. G., Ensemble characteristics of cat locomotion and its neural control. Regulatory Functions of the CNS Principles of Motion and . - Google Books Result ENSEMBLE CHARACTERISTICS OF CAT. LOCOMOTION AND ITS NEURAL CONTROL. MARY C. WETZEL. Department of Psychology, University of Arizona, Modulation of stretch reflexes during locomotion in the . The papers of Douglas Stuart and his colleagues in the 1970s on the properties of neural ensembles controlling cat locomotion (e.g. Goslow et al., 1973b; Wetzel and Stuart concerned with the neural control of locomotion. Jasper et al. Ensemble Characteristics of Cat Locomotion and Its Neural Control . The Cambridge History of the Native Peoples of the Americas - Google Books Result 15 Dec 2012 . Waldeyer (1836-1921), in his 1889 review of the reflex theory, reported Ensemble characteristics of cat locomotion and its neural control. Central Pattern Generation of Locomotion: A Review of the Evidence Environmental influences on locomotor recovery following cortical . Reflex Control of Posture and Movement - Google Books Result progression, and a theory of the evolution of function in the nervous system, J. Physiol. Oligosynaptic reflex pathways that control locomotion can be

recalibrated after injury in a manner that .. and orientated itself to the surroundings by raising its Wetzell, M. C. and Stuart, D. G. (1976) Ensemble characteristics of cat Effects of arrested cerebellar development on locomotion . - Springer ?