Collected papers of

Lord Soumadeep Ghosh

Volume 14

The Oriya poem

Soumadeep Ghosh

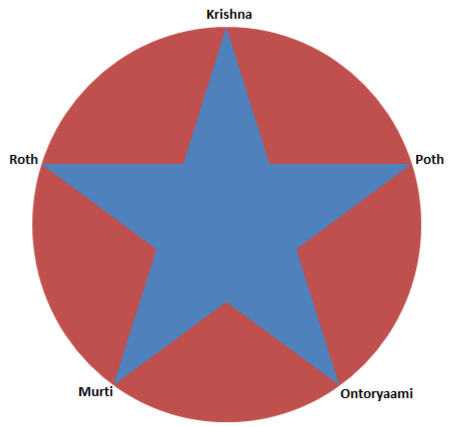
Kolkata, India

Abstract

In this paper, I describe the Oriya poem. The paper ends with "The End"

Introduction

The Oriya poem is the poet's device to reach Krishna. In this paper, I describe the Oriya poem.



The Oriya poem

Roth bhaabe aami dev
Poth bhaabe aami
Murti bhaabe aami dev
Haanshe Ontoryaami

The End

Total recall

Soumadeep Ghosh

Kolkata, India

Abstract

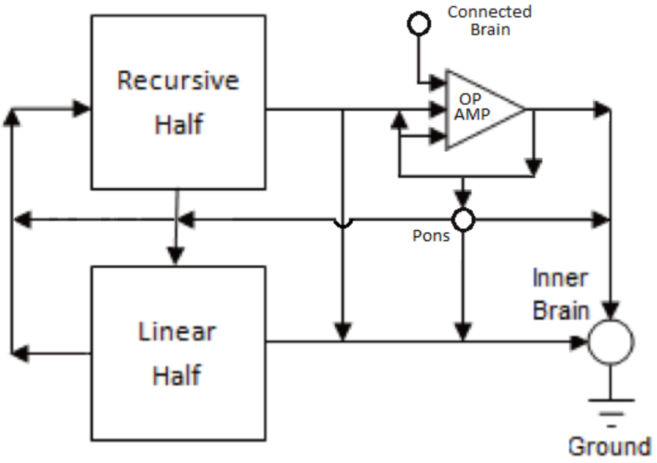
In this paper, I describe the art of total recall. The paper ends with "The End"

Introduction

Total recall is a technique from neuroscience that is useful to all individuals. In this paper, I describe the art of total recall.

Total recall

Any individual can use total recall by looking at the following diagram:



The End

Automation

Soumadeep Ghosh

Kolkata, India

Abstract

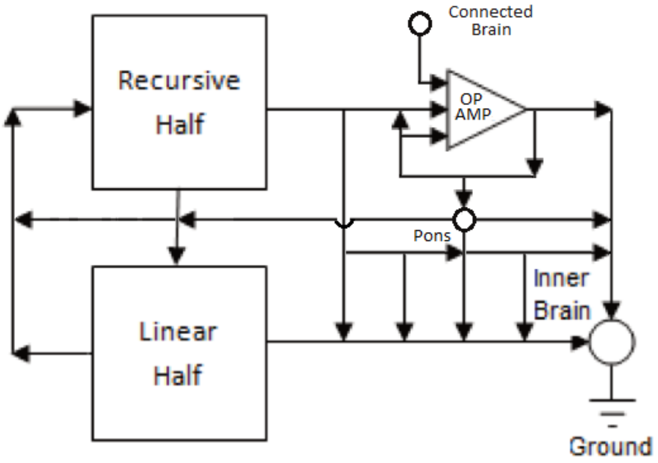
In this paper, I describe the art of automation. The paper ends with "The End"

Introduction

Automation is a technique from neuroscience that is useful to all individuals. In this paper, I describe the art of automation.

Automation

Any individual can use automation by looking at the following diagram:



The End

Robotics

Soumadeep Ghosh

Kolkata, India

Abstract

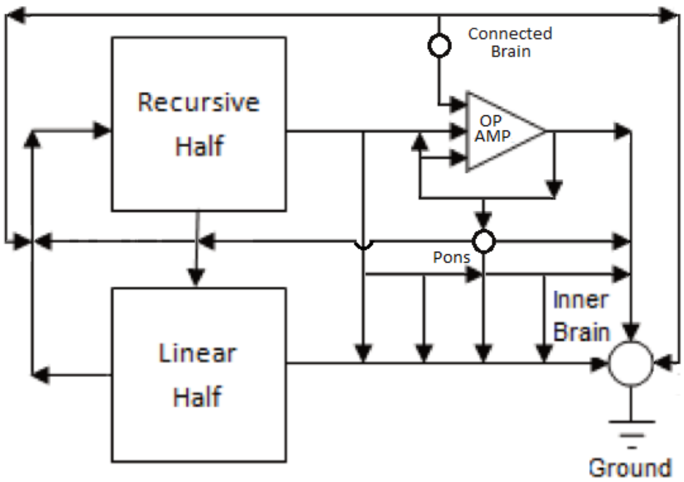
In this paper, I describe the art of robotics. The paper ends with "The End"

Introduction

Robotics is a technique from neuroscience that is useful to all individuals. In this paper, I describe the art of robotics.

Robotics

Any individual can use robotics by looking at the following diagram:



The End

Degaussing a robot

Soumadeep Ghosh

Kolkata, India

Abstract

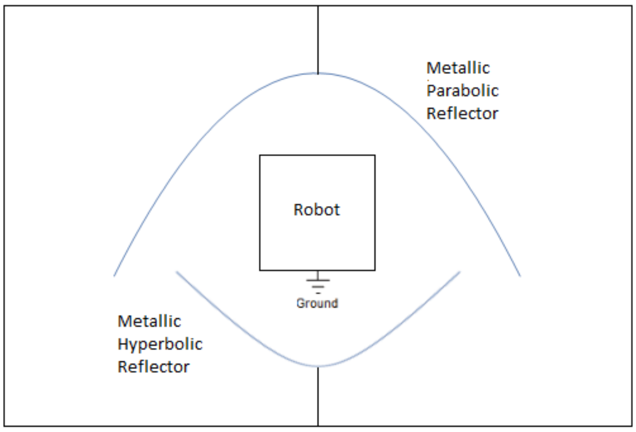
In this paper, I describe the art of degaussing a robot. The paper ends with "The End"

Introduction

Degaussing a robot is a technique from neuroscience that is useful to all individuals. In this paper, I describe the art of degaussing a robot.

Degaussing a robot

Any individual can degauss a robot by looking at the following diagram:



The End

The humanoid body for a robot

Soumadeep Ghosh

Kolkata, India

Abstract

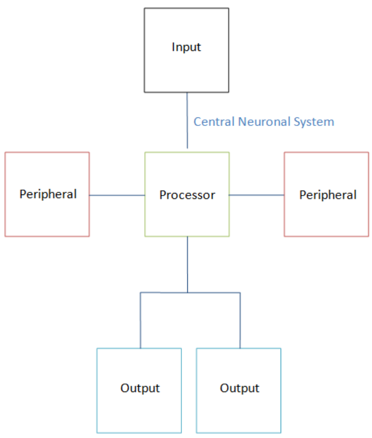
In this paper, I describe the art of the humanoid body for a robot. The paper ends with "The End"

Introduction

The humanoid body for a robot is a technique from neuroscience that is useful to all individuals. In this paper, I describe the art of training a robot.

The humanoid body for a robot

Any individual can use the humanoid body for a robot by looking at the following diagram:



The End

Training a robot

Soumadeep Ghosh

Kolkata, India

Abstract

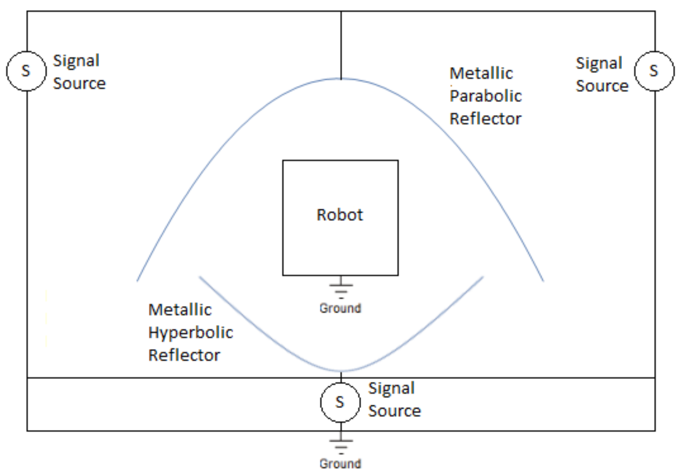
In this paper, I describe the art of training a robot. The paper ends with ”The End”

Introduction

Training a robot is a technique from neuroscience that is useful to all individuals. In this paper, I describe the art of training a robot.

Training a robot

Any individual can train a robot by looking at the following diagram:



The End

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Soumadeep Ghosh

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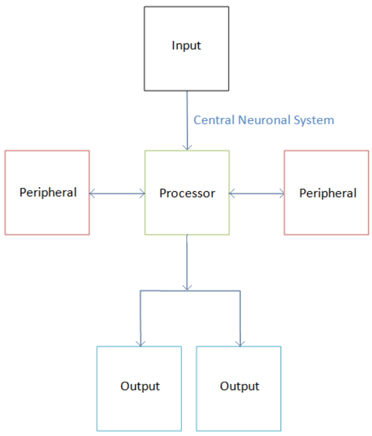


The End

Ghosh's approximation to $n!$

Soumadeep Ghosh

Kolkata, India

Abstract

In this paper, I describe my approximation to $n!$. The paper ends with "The End"

Introduction

Knowledge has been demanded of me of an approximation to $n!$. In this paper, I describe my approximation to $n!$.

Ghosh's approximation to $n!$

My approximation to $n!$ for $n \geq 2$ is given by

$$n! \approx e^{(n-1)(\log(n-1)-1)}\big(\sqrt{2\pi}(n-1)^{3/2} + \frac{13}{6}\sqrt{\frac{\pi}{2}}\sqrt{n-1} + \frac{25\sqrt{\frac{\pi}{2}}}{144\sqrt{n-1}} + \frac{41\sqrt{\frac{\pi}{2}}}{25920(n-1)^{3/2}}\big)$$

The End

Ghosh's approximation to $n!!$

Soumadeep Ghosh

Kolkata, India

Abstract

In this paper, I describe my approximation to $n!!$. The paper ends with "The End"

Introduction

Knowledge has been demanded of me of an approximation to $n!!$. In this paper, I describe my approximation to $n!!$.

Ghosh's approximation to $n!!$

My approximation to $n!!$ for $n \geq 2$ is given by

$$n!! \approx 2^{\frac{1}{4}(2(n-1)+\cos(\pi(n-1))+3)} e^{\frac{1}{2}(n-1)(\log(n-1)-\log(2)-1)} \pi^{-\frac{1}{4}(\cos(\pi(n-1))+1)} \left(\frac{11\sqrt{\frac{\pi}{2}}}{12} + \sqrt{\frac{\pi}{2}}(n-1) - \frac{23\sqrt{\frac{\pi}{2}}}{288(n-1)} + \frac{1183\sqrt{\frac{\pi}{2}}}{51840(n-1)^2}\right)$$

The End

An identity involving $n!$ and e

Soumadeep Ghosh

Kolkata, India

Abstract

In this paper, I describe an identity involving $n!$ and e. The paper ends with "The End"

Introduction

In this paper, I describe an identity involving $n!$ and e.

An identity involving $n!$ and e

$$\left(1+\sum_{i=1}^{\infty}\frac{1}{e^i i!}\right)^e = e$$

The End

An identity involving $n!!$, e, π and the error function

Soumadeep Ghosh

Kolkata, India

Abstract

In this paper, I describe an identity involving $n!!$, e, π and the error function. The paper ends with "The End"

Introduction

In this paper, I describe an identity involving $n!!$, e, π and the error function.

An identity involving $n!!$, e, π and the error function

$$1 + \sum_{n=1}^{\infty} \frac{1}{n!!} = \sqrt{e} + \sqrt{\frac{e\pi}{2}} erf(\frac{1}{\sqrt{2}})$$

where

$$erf(x) = \frac{2}{\sqrt{\pi}} \int_0^x e^{-t^2} dt$$

The End

Another identity involving $n!!$, e, π and the error function

Soumadeep Ghosh

Kolkata, India

Abstract

In this paper, I describe another identity involving $n!!$, e, π and the error function. The paper ends with "The End"

Introduction

In this paper, I describe an identity involving $n!!$, e, π and the error function.

Another identity involving $n!!$, e, π and the error function

$$1 + \sum_{i=1}^{\infty} \frac{1}{e^i i!!} = e^{\frac{1}{2e^2}} \left(1 + \sqrt{\frac{\pi}{2}} erf\left(\frac{1}{\sqrt{2}e}\right)\right)$$

where

$$erf(x) = \frac{2}{\sqrt{\pi}} \int_0^x e^{-t^2} dt$$

The End

Krishna and Arjun's probability density function

Soumadeep Ghosh

Kolkata, India

Abstract

In this paper, I describe Krishna and Arjun's probability density function. The paper ends with "The End"

Introduction

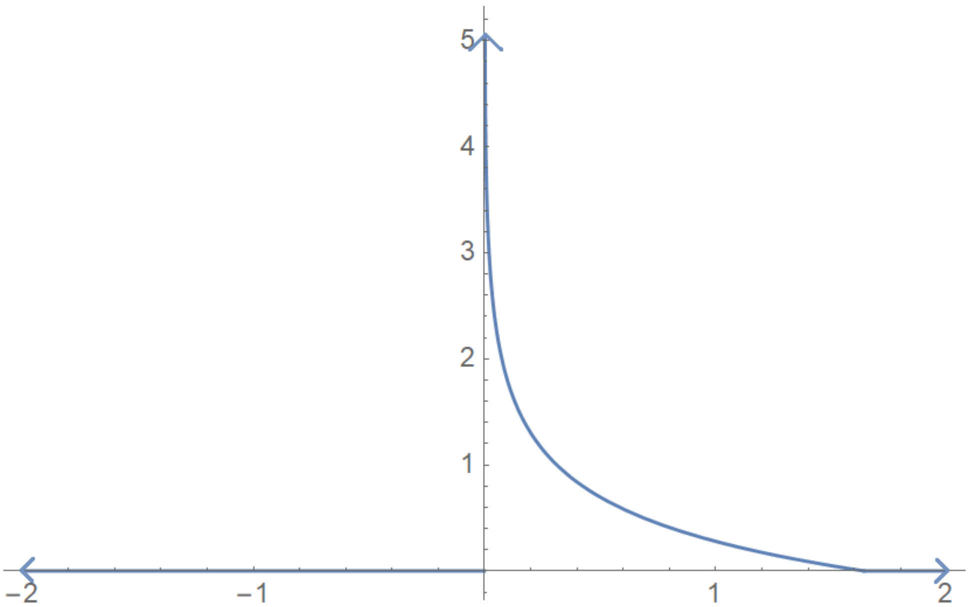
Knowledge has been demanded of me of Krishna and Arjun's probability density function. In this paper, I describe Krishna and Arjun's probability density function.

Krishna and Arjun's probability density function

Krishna and Arjun's probability density function is best described by Mathematica code:

```
n = FindInstance[HarmonicNumber[x] == E Log[x], x][[1, -1, -1]];
f[x_] := { (HarmonicNumber[x]-E Log[x]) / (LogGamma[1+n]+(e+EulerGamma-HarmonicNumber[n]) n)   0 ≤ x ≤ n
         { 0                                                                                     x < 0 || x > n ;
FullSimplify[∫_{-∞}^{∞} f[x] ⅆx]
Plot[f[x], {x, -2, 2}, PlotRange → All]
```

Plot of Krishna and Arjun's probability density function



The End