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WLAN Applications. Ogunlade Michael  
Adegoke, Ismael Saad Eltoun  
Department of Electronics Engineering .  
Tianjin University of Technology and  
Education. Tianjin, China . ABSRACT- In  
this paper, a rectangular microstrip  
patch antenna is designed. The  
proposed antenna operates at 2.4GHz

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resonant frequency for wireless local ...  
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## **Analysis and Design of Rectangular Microstrip Patch ...**

Design and Analysis of 28GHz  
Rectangular Microstrip Patch Array  
Antenna MOHAMED BAKRY EL\_MASHADE  
& E. A. HEGAZY Electrical Engineering  
Dept., Faculty of Engineering, Al\_Azhar

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Microstrip Patch Antenna On University, Nasr City, Cairo, EGYPT .

MohamedElMashade@Gmail.Com .

Abstract: The higher frequency spectrum prevalence of the next generation of mobile communication, as well as other new service applications, will likely ...

## **Design and Analysis of 28GHz Rectangular Microstrip Patch ...**

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This video illustrates the analysis procedure of rectangular elevated water tanks, as part of the requirements for the "Reinforced Concrete Design III" course at the Faculty of Civil Engineering ...

## **Analysis & Design of Rectangular Water Tanks - Solved Example - Part**



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1

Title: Analysis and Design of Square and Rectangular Columns by Equation of Failure Surface. Author(s): Cheng-Tzu Thomas Hsu. Publication: Structural Journal. Volume: 85. Issue: 2. Appears on pages(s): 167-179. Keywords: axial loads; bending; biaxial loads; columns (supports); failure mechanisms;

Download Free Analysis And Design Of Rectangular Microstrip Patch Antenna On reinforced concrete; short columns; structural analysis; structural design; tied columns ...

### **Analysis and Design of Square and Rectangular Columns by ...**

Design Procedure Rectangular and T-shape Beam Beams can be described as members that are mainly subjected to

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flexure and it is essential to focus on the analysis of bending moment, shear, and deflection. When the bending moment acts on the beam, bending strain is produced. The resisting moment is developed by internal

### **Design Procedure Rectangular and T-shape Beam**

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Design of rectangular reinforced concrete beam procedure. The design of concrete beam includes the estimation of cross section dimension and reinforcement area to resist applied loads. There are two approaches for the design of beams. Firstly, begin the design by selecting depth and width of the beam then compute reinforcement

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area.

## **Design of Rectangular Reinforced Concrete Beam**

Empirical Approach Equivalent

Rectangular Block. (Whitney Block)

Figure 5.4. Equivalent Rectangular Block

(From Nawy's Book).  $\beta_c$   $\bar{\epsilon}_s$   $f_s$  Strains

Stresses  $c$   $\bar{\epsilon}_c$   $c$   $d$   $h$  compression side

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tension side  $A_s = 0.85 f_c' T_s = A_s f_y T_s$   
 $d - a/2 \quad a/2 \quad C C \quad c c = \alpha f_c' c c b a = \beta 1 c$   
Require the forces to have the same  
location:  $a = \beta 1 c$  (ACI 10.2.7)

## 5. Flexural Analysis and Design of Beams 5.1. Reading ...

Analysis and design of current probe transition from grounded coplanar to

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substrate integrated rectangular

waveguides Abstract: The transition between a grounded coplanar waveguide (GCPW) and a substrate integrated rectangular waveguide

(SIRW) is investigated in this paper. The

proposed scheme makes use of a

current probe to transfer power between

the two dissimilar transmission lines. A

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**Analysis and design of current probe transition from ...**

Based on an accurate perturbation analysis of the guiding properties of dielectric gratings, simple design criteria are developed for grating couplers which transfer the energy of a beam into or out



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of an optical waveguide. Gratings having arbitrary groove shapes are considered and explicit formulae are given for the leakage parameters of gratings with symmetric profiles.

## **Analysis and design of grating couplers | SpringerLink**

ABSTRACT-In this paper, a rectangular

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microstrip patch antenna is designed. The proposed antenna operates at 2.4GHz resonant frequency for wireless local area network [WLAN]. There are different shapes of an antenna but our focus is on rectangular

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## **Design of Rectangular Beam**

Rectangular Footing Design | Numerical | Rectangular design problem | isolated

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## **Design of Footings Part - I**

Analysis and Design of Rectangular and L-Shaped Columns Subjected to Axial Load and Biaxial Bending N. Dahiya\*, V.K. Sehgal, B. Saini Department of Civil

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Microstrip Patch Antenna On Engineering, National Institute of ...

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## **Analysis and Design of Rectangular and L-Shaped Columns ...**

Design, Analysis and Comparison of Underground Rectangular water tank by using STAAD Provi8 software 1Issar Kapadia, 2Purav Patel, 3NileshDholiya, 4Nikunj Patel 1,2,3Research Scholars,

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4Professor Department of Civil Engineering, Sardar Patel College of Engineering, Bakrol Abstract - A water tank is a container for storing water. The need for a water tank is as old civilization, to provide ...

## **Design, Analysis and Comparison of Underground Rectangular ...**

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### Microstrip Patch Antenna On

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In modern days, Microstrip patch antennas become more popular because of its fascinating features such as low cost, light weight, low profile planar configuration which can be effortlessly made conformal to host surface. In order to overcome the demerits of patch antenna like low gain, low efficiency, low directivity and narrow bandwidth, it is

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obligatory to implement patch antennas  
in array ... Different Substrate Materials In

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Design of Underground Rectangular Water Tank (Part 3). How to design Underground Rectangular Water Tank, explained in detail with Example.



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#UndergroundWatert...

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## **Design of Underground Rectangular Water Tank (Part 3)**

DESIGN AND ANALYSIS OF WATER TANKS USING STAAD PRO Mr. Manoj Nallanathel [1], Mr. B. Ramesh [2] ... Keywords : water tanks, structural design and analysis, loading applications, plates

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stress FRQWRXULQJ IV INTRODUCTION  
Water tanks are the structures used for storing drinking potable water. In present scenario, there is much emphasis for water storage projects all around the world. Water ...

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Seismic Analysis of Underground Rectangular RCC Tunnel . Mr. Sunil J. Payghan , Prof. A. R. Gupta . College of Engineering & Technology, Akola .

Abstract 1.1 - Road tunnels are very practical alternatives to cross physical obstructions or traverse through physical barriers such as mountains or snow bound areas. The seismic analysis

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and design of a underground rectangular tunnel is presented in ...

## **Seismic Analysis of Underground Rectangular RCC Tunnel**

ANALYSIS AND DESIGN OF VOIDED

SLABBRIDGE Noura Ismail Ahamed1,

Ayona Nair S2 1M.Tech ... rectangular or circular cross sections are incorporated

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near the neutral axis. If the depth and width of voids are less than 60% of the overall structural depth, their effect on stiffness is small and the deck behaves effectively as a plate. Voided slab decks are usually constructed with cast in situ

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